Allen Tinters

PROCEEDINGS

OF THE

ASIATIC SOCIETY OF BENGAL,

EDITED BY

THE HONORARY SECRETARIES.

JANUARY TO DECEMBER, 1869.

- CE 75.22.5

CALCUTTA.

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1869.

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PROCEEDINGS

OF THE

ASIATIC SOCIETY OF BENGAL,

FOR JANUARY, 1869.

The Annual General Meeting of the Asiatic Society of Bengal was held on Wednesday the 20th January, 1869

T. Oldham, Esq, LL D, President, in the Chair The Secretary read the Council's report for the past year.

ANNUAL REPORT

The Council of the Asiatic Society, in submitting their annual report for 1868, have the satisfaction of congratulating the Society on its continuing prosperity, both in respect to the increase of members, and the improved status of its finances

The heavy debt, brought to the notice of the Society in the last Animal Report, has been materially decreased, while the netual expenditure during the past year exceeds the estimate, laid before the Society in January 1868, by a very small sum. The Conneil confidently hope that by adhering to the course of rigid economy, followed out during the past year, they will, in a short time, be able to free the Society from its debt, and recommend a more liberal outlay for its library and publications, than they felt justified in sanctioning in the past year

During the year 1868, there has been an accession of 42 new members, while the Society lost 7 Ordinary members by death, two more than in the preceding year, and 20 by resignation, the same as in 1867. Thus the actual loss amounts to 27 members. Besides, the maines of four members have been struck off the hst. At the close of 1868, the total number of ordinary members was 427, of which 291 were paying, and 133 absent, members. At the close of 1867, the total number of members was 416, of which 307 were

paying, and 109 absent members Thus while the total number of members during 1868 rose from 416 to 427, there has been a temporary decrease of paying members from 307 to 294

The following is a tabular statement showing the fluctuation in the number of paying and absent members during the last ten years.

		_		•
		Paying.	Absent	Total
1859	***************************************	135	45	180
1860	***************************************	195	47	242
1861	************	225	55	280
1862	*** * *** **** **** ********** *** * * *	229	82	311
1863		276	79	355
1864	*** * * ***** **** * *** ******* * *	288	92	380
1865	*** * *******	267	109	376
1866		293	94	387
1867		307	109	416
1868		294	133	427

Two members of the Society were in the past 'year elected Honorary Members, A. Grote Esq, the late President of the Society, and Dr. T. Thompson. To the list of Honorary Members, the names also of General A. Cunningham and Professor Bápudeva Sastri were added. Mr F. H. Foucaux of Paris, and Professor Holmboe of Christiania were elected corresponding members of the Society. Of the ordinary members of the Society, the Council regret the decease of the Honorable Prosonno Coomar Thakur, C S I, Calcutta, the Honorable A A. Roberts, C B, C. S I, Resident Hyderabad; Maulví Maulá Bakhsh, Khán Bahádur, Patna; Mr. H. D Robertson, C S., Saharunpore; Mr C. B. Thornhill, C S, Allahabad, Mr S Fenn, Attorney, Calcutta; and Mr F. Hill, Professor of Civil Engineering, Calcutta.

MUSEUM

At a special general meeting held in November last, formal sanction was given to the transfer, to the Trustees of the Indian Museum, of all the Society's collections, except those of books, coins, pictures and busts.

FINANCE

The active measures taken in 1867 to diminish the expenditure of the Society were continued during last year. In the beginning

of 1868, the Budget was very carefully discussed. A plan of expenditure for the whole year was laid out, and care was taken, not to exceed the amount sanctioned in the Budget

Income							
	Estimate	Actual.	Deficit	Excess.			
Admission fees,	1,200	1,280	0	80			
Subscriptions,	8,400	9,771	0	1,371			
Journal,	1,000	1,425	0	425			
Library,	350	479	0	129			
Secretary's Office,	25	15	10	0			
Com Fund,	25	36	0	11			
Total,	11,000	13,006	10	2,016			
Exp	CNDITURE						
	$\it Estimate$	Actual	Saving	Excess			
Jonnal,	5,000	4,248	752	0			
Labrary,	2,150	2,830	0	680			
Secretary's Office,	2,000	2,037	0	ડ7			
Building,	1,000	1,136	0	136			
Coin Fund,	300	339	0	39			
Miseellaneous,	350	577	0	227			
Museum Catalogues,	200	18	182	0			
Total,	11,000	11,185	934	1,119			

The above statement shews that the actual expenditure for last year has exceeded the estimate by a sum of Rs 185. This excess, however, was sanctioned by the Council at the recommendation of the Finance Committee, to whom all questions of extra expenditure were referred. The actual income of the year on the other hand exceeded the estimate by Rs 2006. This sum, together with a portion of the balance of 1867, was appropriated to the payment of Printer's bills, which at the close of 1867 amounted to the enormous sum of Rs. 7000. The cost of printing the Journal and Proceedings for last year amounted to Rs 3800, which, added to the "habilities of 1867, makes up a total of Rs 10,800. The sum of Rs 7,800 has been paid out of the above total, leaving a balance of Rs. 3,000. To pre-

vent the accumulation of debts, the Finance Committee have arranged to pay off within one month after presentation, all bills submitted for payment

The following statement is an abstract of accounts of last year.

•	J 2002.
Admission Fees, Rs 1,280 0 0	Contributions, Rs 50 5 3
Contributions, . 9,771 12 0	Journal, 7,807 8 9
Journal, 1,425 2 3	T-1
	Library, 2,830 8 11
Secretary's Office, 15 2 0	Secretary's Office, 2,037 14 0
Library, 479 11 6	Vested Fund, 0 4 4
Vested Fund, . 110 0 0	Com Fund, 339 15 0
General Establishment, 1 11 3	Building, 1,136 8 3
Com Fund, 36 0 0	Dunding, 1,100 0 0
	Miseellaneous, 577 4 0
Museum, 280 0 0	Oriental Publ Fund, 856 0 0
Inefficient, 48 8 0	Mcssis W & Noigate, 1,955 15 8
Oriental Publ Fund, 489 12 0	Sn W J's Monument, 680 0 0
Messrs W & Norgate, 2,132 11 8	Sundries, 196 11 9
Dr J Mun, 1,000 0 0	Dunuries, 100 LL 0
	10 /00 17 11
Sundries, 226 8 6	18,468 15 11
	
17,296 15 10	
Balance of 1867—	Balance—
In the Bank of Bengal, 3,487 12 0	In the Bank of Bengal, 2,261 10 9
Cash in hand, 38 8 4	Cash in hand, 92 9 7
	
3,526 4 5	2,354 4 4
	
Total, . 20,823 4 3	Total, 20,823 4 3
	,,

The Council have much satisfaction to report that they have succeeded in reducing the heavy outstandings of last year, but by the loss of several members, outstandings to the amount of 400 Rs are to be written off

The following will show the financial condition of the Society

Cash assets Outstanding, Gross assets Liabilities 1868 4,354 8,523 12,877 5,683

The Council would uige on the members the imperative necessity of regularly paying their quarterly contributions, in order that the Society may meet its expenses for the coming year without being obliged to curtail its usefulness by any further retrenehments. The state of the library warrants a greater outlay than the present financial condition of the Society allows.

The following is their Budget for the coming year. The income has been estimated from the average income of the last few years. Any excess of income over the estimate will be, as in 1868, devoted to the payment of old debts.

INCOME

-			
•	$\mathbf{R}\mathbf{s}$	As	P
Admission fees,	1,200	0	0
Contributions,	9,200	0	0
Journal,	1,200	0	0
Library,	350	0	0
Com Fund,	50	0	0
Total, Rs .	12,000	0	0
Enrinditure			
	Rs.	As	P
Journal,	5,000	0	0
Library,	3,200	0	0
Secretary's Office,	2,000	0	0
Building,	800	0	0
Com Fund	300	0	0
Muscellaneous,	700	0	0
Total, Rs	12,000	0	0

OFFICERS

On the departure of M1. A Grote for England, D1 J Fayrer was elected Vice-President M1 H F Blanford, in the beginning of May, resigned the general secretaryship Bábu Rajendralala Mitra for some time, carried on the correspondence of the Society in addition to his own duties as Philological Secretary In July last, the Council appointed Mr H Blochmann, General Secretary of the Society A change also took place in the Natural History department, Dr J A P Colles being obliged, towards the end of May last, to leave Calcutta, D1 F Stohezka took change of his office M1 H F Blanford officiated as Treasurer during the temporary absence of Col. J E Gastiell

Bábu Piotapa Chundra Ghose, Assistant Sceletary and Librarian, and Bábu Money Lál Bysak, Assistant Librarian, have been active and assidnous in the performance of their duties, and the Council have pleasure in recording their satisfaction with their services

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The number of the Society's publications having largely increased, the Council, during last year, thought it necessary to appoint a store-keeper, who together with the Librarian has drawn up a correct list of the Society's stock.

JOURNAL.

The volume for 1868 is a little more bulky than that of 1867

Of the first, or philological, part, 138 pages have been published in two numbers, and of the second, or the Natural History part, 218 pages and five plates, together with an index in four numbers.

Of the Proceedings, 302 pages have been published in twelve monthly numbers, together with the usual index. The Proceedings have also been illustrated by five plates.

The Journal and Proceedings thus extend over 658 pages, or 55 pages more than in 1867 In addition to this, there have been issued 216 pages of meteorological observations, and an Extra Natural History number of 88 pages, containing Mr Theobald's Catalogue of Reptiles in the Museum, the printing of which had been commenced three years ago.

LIBRARY.

During last year, there were added to the Library 610 volumes, periodicals, and pamphlets.

COIN CABINET.

During the past year a batch of coins was purchased from a Bukhara dealer, containing many Phoenician and Muhammadan coins. The Committee also purchased a tetradrachma of Antimachas Theos, in good preservation, and another of Demetrius. The former was described in July's Proceedings.

BIBLIOTHECA INDICA.

The Persian Series of the Bibliotheca Indica has been carried on with great_activity Eighteen fasciculi of different historical works have been issued, as also the first fasciculus of an English translation of the A'ın 1 Akbaıı by Mr. Blochmann The Padishahnamah by Abul Hamid of Lahor, and the 'Alamgirnamah by Muhammad Kazım have been completed by Maulvis Abdurrahım, Khadim Husain, and Abdul Hai, of the Calcutta Madiasah The completing pointion of Badaoni's Muntakhab, edited by Maulvi Agha Ahmad 'Alı is shortly expected to be issued. Of the A'ın 1 Akbarı, three fasciculi have

been edited hy Mi Blochmann Of a new work, Kháfí Khan's Muntakhabul lubáb, Maulví Kabíruddin Ahmad has edited four fascienli

The Council have much pleasure in stating that their editions of the Muhammadan historians of India, according to the plan of the late Sir Henry Elliott, are thus impuls approaching completion

The progress of the Sanscut Series of the Bibliothica Indica was greatly interfered with by the death of several editors and the loss of MSS. Altogether are fasciculi have been issued. Measures have been taken to push on the publications during the ensuing year.

The following is a list of the several works published during the past year

Sansont.

The Grihya Sutia of Asualáyana, with the commentary of Gáigva Nárayána, edited by Anandachandra Vedántavagisa, Nos 132, 143
Fase II and III

Sanl ara Vijaya, or the life and polemies of Sankaia Acharyya, by Ananda Giri, edited by Jayanarayana Taikapanchanana, Nos. 137, 138, Fase II and III

The Mimansa Darsana with the commentary of Savara Swamin, edited by Pandita Mohesachandra Nyayaratna No 142, Fase IV

The Tuttiriya Aranyaka of the Black Yajui Veda with the commentary of Sáyanachárya, edited by Rájendralála Mitia, No 144, Fase VI

Persian

The Muntal hab ut Tauárith by Abdulqadu ibn i Mulúk Sháh i Badáoní Edited by Manlví Aghá Ahmad' Alí, Vol I Nos 131, 135, 136, 139, 140, Fase I to V

Do do Vol III Nos 145, 146, 152, 153, Fasc. I to IV.

The Pádisháhnámah by Abdul Hamíd Láhami, edited by Maulvís Kahíruddin Ahmad and Abdurrahím No 133, Fase, XVIII

The A'langú númah by Muhammad Kázim ibn i Muhammad Amín Munshi, edited by Manlvis Khúdim Husain and Abdul Hai, No. 134, Fase XII

The A'in a Albani by Abul Fazl 1 Muhanik 1 'Allami, edited by II. Blochmann, M A, Nos 120, 122, 141, Fasc IV, V and VI

Do do. English translation by H Blochmann, M. A. No 149, Fasc I.

The Muntakhab al lubáb by Khálí Khán Edited by Maulví Kabíruddin Ahmad Nos. 147, 148, 150, 151, Vol I Fasc I to IV

It was proposed by Col R. Strachey, and seconded by Col. Thurlier that the report be adopted

The proposition was put to the vote, and earried unanimonsly.

The meeting then proceeded to elect the Council and Officers for the ensuing year

It was proposed by the President and agreed to, that Mr D Waldre and Mr. W. T Blanford be appointed Scrutineers of the ballot.

The President said that he had, with much regret, to announce to the meeting that then excellent Secretary Bábu Rajendralala Mitra was prevented from being present by serious illness. This illness was the result of his exposure in the malarious jungles of Orissa, duiing his recent antiquarian tour in that province, he (the President) had communicated with Bábu Rajendralala, with 1cference to the arrangements for conducting the philological portion of the Society's labours during the coming year, and the other claims which were certain to be made on his time. And Bábu Rajendralala in his reply states, that 'he would not, under any circumstances, be able to resume work for six weeks to come, that the first claim on his time would be the preparation of a report of his late unfortunate tour, for which he had materials which would fill some 400 pages 4to, and then there was also the preparation of the proposed Catalogue of Sanskrit works, required for Government which should be got up in a manner worthy the name of our good old Society.' He adds; "to do these works properly, I shall have to devote all my leisure honrs to them, and under the circumstances, I must iesign the Secietaryship"

It was with great regret that the President announced this resignation, and he felt sure that the Society would join with him in a very hearty expression of the obligations they were under to Bábu Rajendralala Mitra for his constant devotion to their service, and for the able and independent way in which he had ever conducted the duties of the several offices he had held under the Society. He felt that

it would be unnecessary to put this more formally but that it would be seconded by the meeting at large—Passed with acclamation

It was also proposed by Col Thuilher and seconded by Dr Stoliezka, that Mr F. Peterson and Mr R D Stewart be requested to andit the accounts of the Society

The proposition was put to the vote and earried unanimously.

During the time that the ballot was proceeded with, the President brought to the notice of the meeting the new code of tules, as proposed The President said-that it would be in the recollecby the Conneil tion of the members, that, for years past, there had been vely frequent changes made in the Bye-laws of the Society These alterations were generally brought up individually, and thus were frequently considered without a full investigation of their bearing on other parts of the The whole series had thus become, in several respects, contrarules dictory and mean-istent Many years since, a Committee of the Conneil had been appointed to revise these rules generally and submit a new set This Committee had met several times, and had made some little progress with the task entrusted to them, when the departure from Calcutta of some of its members led to a cessation of its labours, and nothing fur-The attention of the Council had been more ther was then done foreibly directed to the necessity for a general revision of the laws during the last year, by the fact that the supply of the rules, of which each new member is by the laws to receive a copy, had become exhausted, and it was necessary to reprint A Committee therefore had been nonmated, consisting in part of members of the Conneil of the Society, in part of other members not in the Council, to whom the whole question was referred. This Committee met frequently, and very fully, and in great detail, discussed all the rules, consulted the rules of other Societies to see in what their experience might aid, and after long and frequent deliberations they submitted to the Council the series of rules proposed by them These rules were then gone over, scriatin, by the Conneil, and considerable alterations in arrangement, in wording, and in a few cases in principle, were introduced

The rules as thus agreed to by the Conneil were then printed and brought before the Society at large. A copy of these rules had been sent to every member, whether resident or non-resident, with a request

that they would consider the provisions, and would either send their votes, or, as usual, attend this meeting for the discussion of the rules From the non-resident members a large number of voting papers have been received, all, with very trivial exceptions, being in favour of the rules as proposed. These exceptions he would bring before the meeting in due course.

He mentioned these facts, shewing the care with which the rules had been drawn up and discussed, not as, in the slightest degree wishing to restrict discussion on them now,—he trusted the Members of the Society would give to them as full and detailed consideration as the Committee and Council had,—but merely to express a hope that no trivial or merely verbal alteration would be urged which, without at all affecting the principles involved in the rules, would still necessitate the sending back such alterations for the consideration of the moinsul members. He did not anticipate that the rules were perfect, or that objections would not arise, but he hoped, that unless these objections appeared important, the rules might be allowed to pass, so that the Council might have them printed off, and circulated to the members

With these few preliminary remarks he would now go through the rules senatim, and with the permission of the meeting he would propose to take them in sections, as they were arranged in the copies before the members, noting as he went along the several alterations which had been introduced, and any alterations which have been suggested

Rule 1 was then adopted

In Rule 2, clanse (a), it had been proposed by one inofussil member that the word thirty be changed to ten—It was stated that members residing within ten miles might be considered as able to take advantage of the privileges of resident members to attend the meetings &c., but that those resident at a greater distance scarcely could—The alteration was put to the meeting, and rejected.

Rule 2, was then put, as proposed by the Conneil, and carried.

Rules 3, 4, 5 and 6, were then put and carried.

Rules 7 and 8, were also put to the vote, and carried

In rule 9 clause (b) the President stated that it was proposed by one member that the subscription for non-resident ordinary members should be 10 Rs per annum. Several members expressed an opinion that the

subscription generally might be reduced. It was explained, that the amount proposed would not actually cover the cost of the publications given to the members, with the present numbers. It was then put to the meeting — that the words 6 Rs per quarter shall be changed to 10 Rs per annum in Rule 9 clause (b). This resolution was negatived

Rules 9, 10, 11, 12 were then put to the meeting and earned

Rules 13, 14, 15, 16, 17, 18 were then put to the meeting and carried

On putting to the meeting Rule 20, it was moved by Mi W Blanford, and seconded by Di. Smith that this inle be omitted After some discussion, as it appeared that the inle would not cause any change for twelve months, which would allow ample time for deliberate consideration of the principle involved, the resolution was put to the meeting and negatived

It was then moved by Di Fayrer and seconded by Mi Reinhold, that the remainder of the rules be adopted without further discussion Several members thought it desirable that opportunity should be afforded for the consideration and discussion of the rules in detail The resolution being put to the meeting, was negatived

Rules 19, 20, 21, 22, 23, 24, 25 and 26 were then put to the meeting and adopted

Rules 27, 28, 29, 30 and 31, were then put to the meeting and adopted

Rules 32 and 33, were in like manuer adopted

Rules 34 and 35, were then put to the meeting and adopted.

Rules 36, 37, 38, 39, 40, 41 and 42 were then put to the meeting and adopted

The President then moved, that in Rule 43, the date of the present meeting be inserted as the date from which these rules should have effect —Carried

The President then moved, that the Rules as now passed senatim be the Rules of the Asiatic Society of Bengal which was carried

The President thanked the meeting for the patience with which they had gone through these Rules in detail.

The ballot having been taken, the Seintineers announced that the following gentlemen had been elected to serve as Members of Council and Officers for the ensuing year.

Di Th Oldham, Dr J. Fayren, C. S I, The Hon'ble J B Phem, Kumara Harendra Krishna, E C Bayley, Esq. Dr Th Anderson D1 J. Ewart. Col H Hyde Bábu Devendra Mullicka. The Hon'ble J. P Norman. Dr. S B Partridge Bábu Rajendialála Mitra. Col. J E Gastiell, Treasurer and Secretaries. Dr. F Stoliczka, H Blochmann, Esq,

The President then read the following address.

PRESIDENT'S ADDRESS

Gentlewen,—The close of another year naturally suggests to those interested in the welfare of our Society a brief review of the labours in which we have been engaged during that time. The recurrence of such Anniversaries affords also a fitting opportunity of resting for a while from the constant strain of current work, and ealmly recalling the pist, endeavouring to extract from such a retrospect a just conception of what our progress, if any, has been, what our failures, and there are certain to have been some, have resulted from, what our hopes of future success may be. We shall thus be the better prepared to enter on the duties of the coming year, and the better able to face the difficulties we are sure to meet, if we know what is their nature, and what their limits are

It had been my intention to have taken, on this occasion, a general review of the progress of knowledge in those departments of enquiry, to which the Society has more especially devoted itself during the year now closed, to have seen, how far this Society had contributed to that progress, if at all, how far we were lagging behind in the onward race, and to have enquired also how far, and in what way, it might be practicable to encourage the efforts of onl members, to evoke their more zealous exertions, and to facilitate their success But having held the chair of your Society for only a part of the year, and seeing also that the several contributions to our meetings must all be fresh in the memory of the Members, I think it will be searcely necessary or desirable to attempt a summary review of the papers which have been read These will be quite as well known to those interested in such enquiries, as they are to myself 'And they are perhaps too recent to admit of a just estimate being formed of their true bearing on the general progress of knowledge regular, and rapid issue of the Proceedings of the Society, in which are full reports of the several meetings held during the year, absolves your President largely from the duty incumbent on him of recalling your On the other hand, as now one of the older members of this Society, and as one who from the first year of being in this country,

has never ceased to take a deep interest in its welfare and success, I hope I may be permitted without presumption to take a cursory view of the changes which have taken place in the constitution of our body, and of those which must be anticipated, and I would fain hope that such a review will not be without interest and value

The report of the Council read to you this evening will have made you acquainted with the numerical condition of our Member list at present It shews that we have on our rolls now 427 Members of whom 294 are in India, while the large number of 133 represents those away from this country. It will be seen also, on comparing these numbers with those of former years, that there has been a large increase in the number of these absent members, to some extent due to more liberal rules for leave, sanctioned during the year, so that, while we had an addition during the year of 42 new members,—and the total number of members now on the list is larger than it has ever been—there has been actually a diminution in the number of paying members of 11. Hitherto it has been the piactice to letain on the Member-roll, the names of those who had been members, but who had left India Very many of these never had any intention of returning to this country. And the ietention of their names in the list largely tended to give to the Society an apparent strength which it in reality did not possess. Such absent members have not been in any way contributing members, and have therefore not added to the support of the Society. The new rules this evening sanctioned will I trust tend to reform this They provide that any person, who has been a member, can on leaving this country secure to himself, during his absence, the publications of the Society by payment of 12 rupees per annum, and can resume his membership rights on his neturn, while the names of such as leave the country, and do not within three years from the date of leaving express their wish to continue members, shall be, after the lapse of that time, struck off the rolls It is hoped, that in this way, the managing body of your Society will be able to know with a much nearer approximation to accuracy, than can now be attained, the real amount of income and support to be The anomaly of continuing on our solls derived from the members the names of many, who have ceased to be in any way connected even with Ludia, will be removed, while every encouragement is at the

same time held out to induce others to maintain a real, and I may add a profitable, association with the Society

I have said that the unimber now on the rolls is larger than at any previous period of the Society's existence And in so far as this is the case, we may, I think, fairly congratulate ourselves on the fact Undonbtedly this has been largely brought about by the wise measure of reducing the amount of the annual contributions required from members which, long anxiously and carnestly urged upon the Council. was at last sanctioned in 1859, since that time the number of members has increased from 180 to 427. It seems to me that we might, with great wisdom go further still in the same direction Looking either to the value of the publications of the Society (the only return which nonresident members receive for their contributions), or the amount of subscription demanded from members of similar Societies in Europe, and the comparatively greater advantages which members of such Societies enjoy, I think the Asiatic Society of Bengal would do wisely to reduce still farther the monthly contributions from its members

But while congratulating you on this increase of number, there seems to me another and a more important point of view, from which to study the numerical results given in the Council's report Gentlemen, the Asiatic Society of Bengal is to this day, I may say, the only Society in this portion of the Indian Empire, specially devoted to the cultivation of pure science Its publications, extend in an unbioken series over more than eighty years Devoted to Oriental Literature, Science, Antiquities, Geography and Art, they form a repertory of the most valuable and ennous information on every subject connected with this Empire, and are, as I believe, one of the grandest monuments of British dominion, and one of the noblest proofs of British intelligence in the East Without them, no student can satisfactorily investigate the learning, the languages, the history of this empire They contain the life-long labours of some of the greatest discoverers in, and some of the noblest contributors to, Oriental knowledge The Society is still vigorously pursning the same course. And yet among the many thousands of educated Europeans in this country, and the many thousands also of well informed Native gentlemen, this, the chief and almost the only scientific Society in this part of the Empire, counts its supporters and contributors by only a few hundreds!

There must be good and sufficient reasons for this, and it is worthy of eareful enquiry to ascertain, if possible, what these may be

Again, during the past year, the Society has lost by retirement no less than 20 members, during the preceding year, 20; in 1866, 19, I confess I always listen to these announcements of netinement with great pain, accompanied by a guilty consciousness of having myself, as an individual element in the management of the Society, contributed to the iesult I think it may be assumed as a fact, that no one will willingly abandon a position which he considers to be advantageous There have doubtless been frequently private or pecuniary reasons for such, but in by far the majority of eases, I fear we cannot admit that these have been the cause of the numerous retirements And we must, I am convinced, seek for a more deeply seated, a more vital reason, and admit that the faults are to a large extent internal in the Society Have we done what in us lay to render the fact of association with us an advantage to the members themselves? I would not for a moment desire to overlook the consideration, that many join the Society from a desire to promote its efforts and advance its rescarches, without seeking any individual advantage We gladly acknowledge that there are many such But unquestionably the majority of our members do, on joining this, or any other Society, look forward to receiving some advantage in 1eturn for their contributions, and do calculate also whether these advantages are worth then eost Now what advantages of this kind do we offer to our Members? All obtain the Journal and other publications of the Society, resident members have also the opportunity of being present at the meetings of the Society, and of freely borrowing books from the library

First then as to our Journal I have no scruples in confessing, although I do so with very great regret, that its appearance has been for many years past too irregular, too unpunctual, and uncertain, to enable members even to know whether they would ever receive it or not Numbers of one year issued late in the succeeding year, others issued without the plates referred to in them, which plates have appeared in some subsequent year's publication, these, gentlemen, have, I am ashamed to say, been the rule rather than the exception Would any of us continue our subscription to a periodical issued in this

unsatisfactory way? And are we justified in expecting that our Journal will be appreciated, if such be continued? But beyond this, the contributors to the Journal themselves never knew when their papers would appear, there often was no tale observed as to priority of contribution. giving a claim to priority of publication. The practice had grown up of merely announcing to the meetings of the Society the receipt of papers. of which only the titles were given, and nothing more was heard of them, until they appeared in the Journal, perhaps years afterwards, or were possibly actuaned to them authors During the past year I rejoice to be able to announce to you that by the stienuous exertions of your Secretaries, much has been done to remedy these defects. No one here can be more painfully or practically aware of the immense difficulty of providing for the punctual appearance of the Journal and Proceedings, than I am These difficulties are the greater, because the result depends not on the efforts of an individual but on those of many the printer, the artist, the lithographer, &c , delays may arise from each and all of these, and in addition there are climatal difficulties which can scarcely be foreseen, and sometimes even, if foreseen, can scarcely be guarded But while admitting all these, we felt the delay was not insurmountable, and determined not again to ask the Society to believe Since I have had the honour of taking the chair, the it mayordable Proceedings have always been issued to you before the ensuing meeting, the illustrations have always accompanied the paper to which they referred, and the completion of the volume for the year, with title and index, was in your hands, before the close of December. volume is larger, and has more illustrations than preceding ones numbers of the Journal have also all appeared, of the first Part, two completing the issue for the past year, and of the Physical Science Part, four numbers with index, contents, title, &c, have all been issued before the close of the year, although the first number had only been commenced in March An extra number was also issued containing Mr Theobald's Catalogue of Reptiles, which had been actually in the press for three years, and meteorological Reports were published, extending over a period of nearly two years.

Further, there has not been a single paper of any kind submitted to the Society for publication, which has not either been read in full,

or of which an abstract has not been given, at the meetings, and in all cases the opportunity at least for free discussion of those papers has been given, and such discussion invited This I consider of high importance, as one of the great advantages of such an association arises from the opportunity its meetings afford of eliciting the views of its members on the subjects brought forward, and thus generating the glow of intellectual enjoyment and intellectual success, by the friction of mind against mind. This advantage is entirely lost when papers are merely laid on the table. At the same time it was found that there remained over several papers, the printing of which had been ordered long before, but which had been laid aside for the publication of others possessing more immediate interest. These have now been all printed in your Joninal and, as nearly as the size of the several numbers of the Journal would admit, in the order of succession of their dates of submission to the Society And now I have the pleasure of telling you that the first number of the Journal, Part II, for the present year 1869, has this evening been placed upon the table, by your Natural history Secretary. This brings up the publication of papers read to the Society to June last; that is to within six months of the date of issue Gentlemen, I consider this most highly satisfactory, and we owe much to Dr Stoliczka for the zeal and devotion he has shewn in bringing about this most desirable change We hope that the same system will be maintained, that, as far as the funds of the Society admit, all papers, excepting under peculiar circumstances, and by special order of the Conneil, shall be published in the order of the date of submission, and without any repetition of delays, which have been thus shewn to be avoidable

The Proceedings of the Society again under this system have been really what they assume to be, and the volume for last year, a goodly sized volume of more than three hundred pages, contains much that is valuable and highly interesting; and will, I feel certain, bear very favourable comparison with the records of proceedings of any other similar institution, as giving evidence of healthy vigour and active progress in the life of the Society

So far I have spoken of the publications of the Society The other advantage we offer to our members, in return for their contributions is the Libiary. And with reference to this, I am much pained to say,

that it has not been in our power to do as much as we could have The Council have been fully impressed with the vast importance of this portion of the Society's efforts, but the absolute necessity of pursuing a system of the very structest economy has prevented the outlay of a single supee that could be avoided The allotment of money sanctioned out of the income of the Society at the commencement of the year has been very slightly exceeded (under sanction of the Finance Committee and Conneil), but there was much, very much, that we desired to do, very much that we were anxions to add to our library For the coming year, the Conneil suggests an allotbut could not ment of money somewhat larger than that of last year and, I hope, that a good deal may be done to supply deficiencies, and to add to on stock or books I trust also that the close of the year may not again come round, without some progress being made, in what is so seriously required, a new catalogue of our Libiary &c

But it we cannot claim that the Members of our Society receive a full and fair equivalent for their contributions, I would suggest to the Members to consider how far this may be due to themselves, as well as to the managing body of the Society, and how far they have it in their own hands to remove this cause of complaint. And first, I would ask the authors of papers to bear in mind the costliness of illustrations, and the tediousness and delay in their preparation, and to reduce these, therefore, to the minimum extent, sufficient for the just elucidation of their arguments, or descriptions. And I would also ask them to diminish, if possible, the demands on the time of our officers, by always submitting with their papers an abstract, embracing the principal points referred to or discussed, and giving a general view of the argument of the writer. No one can prepare such abstracts so chectively as the authors themselves, and this is the only way in which a certainty of nothing being overlooked can be attained.

And to the Members, who are not contributors to our Journal, I would say, that they must be aware that such carefully illustrated publications cannot be issued, without considerable cost. I would appeal to them to save their executive officers, who thus voluntarily devote much time and labour to their service, without any remuneration other than the consciousness of doing their duty, from the harassing and wearying necessities of considering carefully, how every expenditure may

be reduced to a minimum, how this can be cut down, and that left out, or even to decide whether it be possible to publish at all At the commencement of mytenure of office, it was very seriously discussed, whether it would not be necessary to suspend the publication of your Journal entirely for a time. And you are, gentlemen, indebted to the liberality of your officers for several of the plates which illustrate your publications, during the past year, which the funds of the Society could not have afforded. This is not as it ought to be and I would throw myself on the feeling of justice and honour of the members, and ask them to prevent a repetition of it There was at the commencement of the year, a total amount due from different members to the Society, very nearly equal to a whole year's income! Strengons exertions have been made to call in these sums, but with only very We have reduced the amount by only about 1th of partial success I would ask your aid in this matter. Letter-applications have been made repeatedly to all who are thus indebted to the Society, but believing that such have frequently iniscarried, or been overlooked in the pressure of other business, the Council have resolved to print now and send to all the members of the Society, a list of the names and of the amounts due; and we hope that the attention of the members may thus be drawn more effectively to the facts

Gentlemen, if the Society could now realize the amount due to it from its members, not only would all existing debt be at ouce removed, but we could add considerably to our actual and permanent income, we could greatly enlarge the Journal, and improve our library, and could thus greatly extend the advantages which we offer to our associates In connexion with this question of income and expenditure, I may announce to you that, with the hearty co-operation of the Finance Committee of your body, a new system has been introduced of calling in all bills, and discharging them, monthly. You will see in the accounts an item of income derived from the savings thus effected by the payment of eash for work done But the main advantage resulting from this system is, that the Council know exactly from month to month, how the affairs of the Society stand, and can at once pievent any accumulation of habilities The necessity for such a step will be obvious, if I mention that on ungently calling for the immediate ubmission of all outstanding accounts, several were produced, which

may thus be drawn more effectively to the incts of the amounts due; and we hope that the attention of the members now and send to all the members of the Society, a list of the names and in the pressure of other business, the Council have acsolved to print but believing that such have frequently miscarried, or been overlooked have been made repeatedly to all who are thus indebted to the Society, I would ask your aid in this matter. Letter-applications We have reduced the amount by only about 1th of partial success excitions have been made to call in thiese sums, but with only very the Society, very nearly equal to a whole year's income! Stremmens mencement of the year, a total amount due from different members to ask them to prevent a repetition of it There was at the commyself on the feeling of justice and honour of the members, and This is not as it ought to be and I would throw not have afforded. publications, during the past year, which the funds of the Society could lity of your officers for several of the plates which illustrate your entirely for a time. And you are, gentlemen, indebted to the liberait would not be necessary to suspend the publication of your Journal mencementof mytenure of office, it was very seriously discussed, whether or even to decide nhether it be possible to publish at all At the combe reduced to a minimum, how this can be cut down, and that left out,

abmission of all outstanding accounts, several were produced, which obvious, if I mention that on urgently calling for the unmediate accumulation of liabilities. The necessity for such a step will be how the affairs of the Society stand, and can at once prevent any this system is, that the Council know exactly irom month to month, ment of each for work done. But the main advantage resulting from an item of income derived from the savings thus effected by the paybills, and discharging them, monthly. You will see in the accounts mittee of your body, a new system has been introduced of calling in all nounce to you that, with the hearty co-operation of the Pinance Conconnexion with this question of income and expenditure, I may anthus greatly extend the advantages which we offer to our associates. In could greatly enlarge the Journal, and improve our library, and could but we could add considerably to our actual and permanent income, we from its members, not only would all existing dobt be at once removed, Gentlemen, if the Society could now realize the amount due to it

dried eren fire years buck, and which had deen allowed to stand over, naring deen submitted eren though asked for

It depends, therefore, entirely on the members themselves, how far then advantages as members, can be mereased. The Executive of the Society have done what in them lay to promote their interests

same number, of the oriental papers. The attempt to form two in no u.ay injured or diminished in value, by the appearance, in the same time that the Physical Science papers, in Part II, would have been papers to be punted, while it may, I think, fauly be urged at the of Part I have been 1-such, simply because there were no more the year's contributions During the year just closed, only two numbers racter of the Journal, and the atting publication in two distinct series of oble paper- And it is consequently difficult to maintain the high chapixes find it desirable to send to Societies at home their most valulabours of any member. Even the most zealous contributors to its Journal being, as it has been in past years, the record of the hie-long We cannot now, therefore, look forward to our reaults arouded audience is thus at once insured, and delay in making known his cord of which is northy of being published. A large and special medium of publication for any researches he may undertake, the rethere is non, no difficulty nlintever tor any one to find a fitting unmeasurably extended, Societies have multiplied at home, and tacilities of communication with Europe and America have been of the case are quite changed since first the Journal was issued The division of the Journal I think ne must confess, that the conditions ior such publications, I nould decidedly arge the abandonnent of this extremely limited amount or funds at the disposal of the Council, And nere I content to auticipate only a continuance of the present or the present system. I think much may be inged on both sides hind, other members are equally stremous in arging the continuance On the other first introduced in 1865 on the motion of Lt Bearan Journ il, doing anay nith the directon into in o series, as non, a change all pipers, no matter what their subject, in the same number or the of the Sucrety, to induce a recersion to the old system of publishing I have hid several, I might say numerous, appeals from members I should tail in my duty did I not make known to the Society, that In connection nith the question of the publications of the Society,

distinct volumes for each year has failed, because there has not been material enough, or funds enough, to produce two volumes, and each series has, I think, lost in general interest by being reolated. More over the Proceedings now absorb all the smaller papers which are of interest, while the issue separately of all these parts, numbers, and volumes adds to the cost

Society, and ask them to aid then Conneil in this respect illnatrations here? I would appeal to my fellow members of the purplication elsewhere, decause ne and unable to pay ior their Are we to be content to see the most valuable papers seek for down in despair of seeing our finances in a more flourisling state? your publications Cannot this be accomplished? Are we to sit increase would be available for the extension and improvement of ments for management and that more than a half of that doubled, there nould be very little merense in the cost of establish-I monid also ask you to remember the fact, that were that income This is very nearly one-half of the whole income of the Society And was increased to 4,400 Rs , and 1867, and 1868, to 5,000 Rs. 3,500 Rs, this was also the amount in 1865; in 1866, this sam you will see that in 1864, the allotment for publications was only the other demands on these funds It you go back only a iew years out of the general funds of the Society, so far as was consistent with They have steadily increased the allotment to such purposes -hosocia bin linniot moy Bularging and Proceed-Society will shew you, that the Council have been fully alive to the ders, of the Society at large. A reterence to the accounts of the ous. In this matter also, the decision entirely tests nith the memconcurrent volumes In this case, the division would be advantagethe fitting publication of sufficient material in both series to form two factory footing, then, I believe the Council would be able to seeme disposal of the Society, for such publications on a much more satisdo receive such an accession of stiength, as rill place the funds at the if, on the other hand, as I think we are justified in anticipating, ne numbers of that series at regular intervals, of ery two months the old system of publication of all papers in one series, resuing the tinnance of the present state of thing, it would be wiser to revert to My own opinion, therefore is, that if we are to have only a con-

tions demanded from each of its members might be still further widened, by reducing the amount of contributhe Society would be largely mereased, and the cuile of its influence difficulties under which we now labout would disappear, the utility of added only one to our lists, and thus doubled our numbers, the an interest in our pursuits,—I say, if each member of the Society that one at least in the acquaintence of every one of us, world take new member to join—and surely it is not assuming too much, If then, each member of the Society, would but induce one single receive no diminution, but rather bear fruitful merease, at your limid. honour bound to see that the talents thus committed to your charge position of joint tiustees for the great tieasnly of tinth, and are in all any other institution for the promotion or scienze, you accept the that by the very act of entolling yourselves on the list of this, or hadable such inglit be I would rather be contineed that you tecl, an hour, or of merely gratifying intellectual ciniosity, housely a mere pastime, that you come here for the alle purpose of presung uell not delieve that you look upon the estones of the Society as

the Council are now therefore authorized and prepared finally to absence of Dr John Anderson with the expedition to Yuniu Y Mall, who acted as Conators of the Indian Museum during the the zerlous exertion of two of our members, Dr Stolick's and Mr. dation. Full lists of those collections have also been prepared by adjoining street, rented to proxide the necessity additional accommotions still remain in the rooms of the Society, and in chouse in an Pending the completion of this building, the collecpeen intended and we trust admir idly adapted for the purposes for which it his in Calentia, facing the large open maidin, it will be large, roomy, are aware, is now in progress. It is situated in the very dest decility erected for this object. This building, is the members of the Society neely accessible to all, and to be located in a building specially them held in trust, for the Society, to form part of a general Museum, Indian Museum, incorporated under Act XVII of 1866, to be by Autiquities, and of miscellaneous objects, to the Trustees of the sanctioned the formal transfer of its collections of Latural History, Duing the year just closed, the Society at large has unanimously

Indian Museum '

demands still increased. Mr. Blyth was appointed Curator towards to obtain proper means for their exhibition and pieservation. But the better order and atrangement. The Society made constant sacrifices increased, and effort after effort was made to bring the collections into saved At various times subsequently the amount of the grant was 200 Rupees per month was sanctioned, and the collections were was then made to the Government of the day for aid A giant of de given up, or the pudlications of the Society An earnest appeal In the following year, it was agreed that either the Museum should seriously discussed whether the attempt should not be abandoued manifest So long since as 1887,—a whole generation since,—it was But the truth of the varnings they had received soon made itself years, unaided by public contributions, steady progress was made members devote their energies to the formation of a Museum. For such collections should exist, and most wisely, therefore, did the Now, for the success of this Society, it was absolutely cesential that these were, of course, not accessible to the public, or to other students. sence such as were required for then own immediate researches. dranches of enquiry, had provided themselves, at great cost, with available for the students Individuals who were interested in special There was at that time in this city no collection whatever wisdom of that determination, mider the circumstances, I entitely of all, it was still determined to commence a Musenm. In the this climate, all these difficulties were considered And in the face the terrible waste and destruction of objects of Natural History in this, or even to provide accommodation for such collections it formed; collections was uiged, the inability of any limited Society to meet elsewhere. The unavoidable increase in the cost of maintaining such of that course, derived from the experience of several associations There were strong and weighty reasons arged against the advisability Asiatic Society of Bengal ever commismed the formation of a Muscum. last half century. It was not, until after much deliberation, that the most important change n hich has affected the Asiatic Society for the certain to be fully caied for and properly exhibited, is, I believe, the This transfer of one collections to an institution, where they are

eal bluseum give, led to the founding, in a separate establishment, of the Geologividing a depository for its collections, which the Society could not systematic Geological Survey of the country, and the necessity of proportions of your collections, until in 1856 the establishment or a country, and continued in charge of the Mineralogical and Goological years continued largely to our knowledge of the resources of this of Mi Blyth do that of India Mi Piddington also had for ming and so thoroughly to illustrate the famin of any one country as those of papers, the contiidution of one man, winch have tended so luggely In tinth, I know or no series and devotion he brought to his studies knonledge, to the earefalness of his laboure, and to the entlinearm your Journal deare continuous testimony to the range or in-1862, broken liealth compelled him to seek a more farourable climite, no claim to before From the time of his appointment, until, in collections degan to assume an importance and value which they had the end of 1841, and at once the Zoologreal deputment of your

" of the Governor-General in Council, the time had arrived when was gratified in 1862, by the amountement that " in the opinion all tended to delay the final decision or the question. But the Society for other objects, the changes in the personnel or the Government, ed state of the country, the pressing dominds on the public recemes Some time clapsed, many difficulties intervened, the disturb-Minecula chiefly illustrative of the Unital History resources of determined to appeal to the State, to establish a proper and chievent After much disension and eatenly deliberation, it mas norther the room nor the funds required for the greatly increased colcollections had been treated. In fact, such nas meritable, we had serious complaints frequently urged of the way in which yillible exclusion of some other class. It was not, therefore, surprising to find were made in one direction, they could only be accommodated by the And it additions maintimed, no sufficient space could be afterded tions, all others were necessarily neglected, no sufficient stat could be If care were given to one division of the collecof constant anxiety tine, which the limited resources of the Society could not meet, and it was still found that the dinseum was a source of constant expendi-But, notwithstanding the liberal contiibutions of the Government,

"generally accepted as a duty of the Government, might he practitionally accepted as a duty of the Government, might be practitionally accepted as a duty of the Government, might be practically realized." There were stall many details of an arangement to be gone into, and an 1866, an Act of the Indian Legislature was passed, providing for the election of a proper building, and formally prepared to hand over to a Board of Trustees then collections, to be negligible of an about the Society of Bengal should be held in trust for the Society. To the Society was also seemed the right of nominating, through its Council, four out of the whole armber of Trustees (13) and centain other privileges were also granted. The vote of the Society at large, taken in November last, confirmed the proposed transfer of the collections, which can now, therefore he formally sourced of the confirmed the proposed transfer of the collections, which can now,

ment in the satisfactory investigation of the distory of this country, devoted to what they justly considered a necessary and essential elein times of difficulty, had, theology lapse of half a century, of Bengal, through good report and evil report, in times of pleuty as has expressed of the unfineling exertions which the Asiatic Society and for the gracious and ready acknowledgment which their doing so of this country, for the liberal support they have given to such objects, aeknowledge the obligations of the Society towards the Government pecuniary resources. On the other hand, I thunk we must all gladly relieved the Society from a heavy and increasing demand on its it will be the fault of the Society itself, and by doing this, they have collections shall be forgotten or neglected, or if they are neglected, teat that the objects which the Society ougmally had in making theso continuance of then interest in such collections, so that there is little legislative gnarantee for the support of this, they have seemed a extensive Museum in Calentia; they have obtained a public and They have seemed the manitenance of a vell-ananged and satisfactory termination of a long standing, and ever-mereasing, diffi-I eannot but congratulate the Society most heartily ou this lughly therefore, be formally earried out

There still remains another important change, contemplated in the arrangements to which I have just alluded, which must be sanctioned by the Society at large, before they can be terminated. That is, the proposal that the Society should leave its present premises, and take up

and of its resources,

thely, would be absorbed in the general extension tes biesent abode, oi seck a domicile elsenticie en Jeal et titlatio would simply be seienced out again, and be compelled to remit to sion of the Museum, and of its demands for space, the Asiatic Society and I cannot but consider it a certainty that in the unavoidable extenbecome but the smallest and least influential part of a great ulode, that independence of existence, ninch is so destrible present rooms are By doing so, we neald I think, cease to have De so well adapted for the purposes of a Society like out, as our a part of a building intended for a general Musenin, are not, and enmot order to take up our abode in rooms which, necessarily designed as which we have had a long, successful, and independent existence, in paintings, de in iemoval, a liouse most adminably situited, and in We would theretore abandon at much cost and 11sk to our book, in ips. which can be contemplated or accomplished for the next century dation for the Society's property, and for any extension of its Library whole house, there will be ample, and more than ample, recommobe removed, which now occupies more than three-fourths of the dation to the Society for two generations and more If the Musmi It has afterded accommomemories, all our associations, are with it since long defore any or its present members can remember The house we now meet in has been the abode of the Asiatic Society a move, if earried out, with anticipations or nothing but ini-chief And yet I contess that, undividually, I look tornaid to such tions, ieceive whatever rent would be realized for the house ne now such a move, as we should, in addition to our meonic from subscripvantage in a pecuniary point of view would result to the Society from labours of the Society There can be no question, that immediate adthe liberal view which the Government of the country his earlen of the property in the present liouse - another and a very in irked in the of to the Indum Museum Under thus proposal, the Society is to ret iin its ter spode in rooms to be set aprit for it in the general building devoted

I have always tell, and I know that this seeing as shried by other members of the Society comes to occupy another that it once the Society comes to occupy the main if we is continued from the inguition of a large middle by the inguition of a contest occupant in the account that it also be a contest of it is the infinite or the infin

of this will be, a large withdrawal of support from individuals. Indeed, I tound it very difficult to persuade a member of the Society the other day that this was not the ease now, and to induce him to continue his continuous. I confess I anticipate this result with some dread, and I would seek to aveit the evil. The ease would be different if the proposition were to construct a separate abode for the Asiatic Society, which could be specially adapted to their wants. But this is not the ease, the proposition is, that the Society should take up its abode in a coince of a great building designed for other purposes, in rooms that beyond a question will soon be needed for other purposes. I venture to think, that the Society mould be vasily more benefited if a pecuniary equivalent for the proposed rooms were seemed to them, and they continued in their present abode. There is, however, ample time for the consideration of this question, as the is, however, ample time for the consideration of this question, as the move cannot be made for some years yet.

tent than it has hitherto claimed. this they had offered an example worthy of imitation to a wider exnitch the progress of the real labouters in serence is inclitated theu uames and public station give, those means of eo-operation, by maintain and support, by then wealth and by the sauction which impressed with a sense of that duty which devolves on the wealthy to bership, that they appreciated the importance of seience, and nere Joninal, but they had for many years proved by their constant members of the Asiatic Society, they had not been contributors to our scarcely the place to consider their history in such a light. As memgaging " in the holy eause of ealightening his countrymen," but this is ly shewn his appreciation of the value of knowledge by actively en-Prosonno Coonat Thakut, we nould name as having long and earnestand ruleis in the land, nith high lionous and eredit, one especially, been announced to you, some had filled prominent positions, as citizens terest in our common pursuits. Of the others, whose decease has eatta, and we looked forward with much hope to his mereasing mtake up the important duties of Professor of Civil Engineering in Cal-Mr Hill joined the Society soon after his arrival in this country to seven, one only, Mr Foster Hill, had been a contributor to our meetings our members during the past twelve mouths by death. Of those You will, gentlemen, have heard with regret of the loss of seven of

teriors of superstition and to seatter the liests or ignorance panoply of secentific tenth, as loyal kinglits to do battle nith the in the use of their weapons, and enabled to go torth, elid in the working of such institutions, that the soldiers of science no timed tual contests ninch arise from the challenge of innul to innul in the common studies puisued with a common object, by the minor intellecoperation of then members, by the merensed interest which attaches to manily, gentlemen, by the combined efforts of such Societies, by the covaluely we one to ourselves, to our successors, to our country sustain this, and such other kindied institutions, is the neglect of a duty power of God," and I would urge that the neglect to encourage and handmaid of religion, the one maniesting the will the other the national pover, the most effective guide to national wealth, "the ting to yon, that seience has over been the most poneinl minister or individual gains to be acquired by its pationage, but I nould recall oils to north sologies and sale," an ashing the consideration of the solves on then notice I would not degrade knowledge by miking would inther suppose that these claims have not is yet toiced themthat they are insensible to these claims of science on their support Emopean or Mative, is too lugh, to allow me for a moment to think of mental culting among the educated classes in this country, $n \ln t \ln t$ of God, and the endorment of mankind" I know that the standard hauglity, not a sliop for profit and sale, but a storeliouse for the glory tower of state for the proud mind, nor a vantage ground for the concli for the enrious spurt, nor a terrace for the wandering, nor i forcibly and yet how quantly Bacon eags "Knovledge is not a by self-interest, velueli veil ecitarily not lose its reventel How I would nige that this aid is a duty, a duty, even enlimeed and support seience in no other way than by their pinke, but consect upo 'sosuro There are lundieds who from various

We have all, gentlemen, other and more pressing claims on our time, other and onerous duties to periorm. If nely indicted has it happened, that serence has been able to obtain the undivided attention and time of any of her eultivates, but ne can contribute, with according to his one ability. There is not one, if he be only milling and limithle enough to attempt to in the right spirit,—letting his mind, and limithle enough to attempt in the right spirit,—letting his mind, and limithle enough to attempt in the right spirit,—letting his mind, and limithle enough to attempt in the right spirit,—letting instance.

add something to the prie of knowledge, who cannot piek np a branch here and there, and there in the trees around. Others perlarps will the these into faggets, and add them to the prie (and the lowest mentals in the service of science can aid in this) and at last a spark of Promethean file, will call forth all the secret light and heat it contains, to illumine the temple of knowledge. It is only thus by the useful combination of many, that time progress is obtained, by the useful combination of many, that time progress is obtained, by the useful combination of many, that time progress is obtained, in other ways to unite the efforts of many, before ne compelled in other ways to unite the efforts of many, before ne could arrive at the solution of our problems

here" Entirely agreeing as I did in these views and in the opiniof laws, the results of whose operations are recorded and verthed where the youthful mind is trained to observation and comprehension the elementary knowledge could be amparted, but in the selvools mena are regulated." He went on to say, " It is not here, though, that a comprehension of those general lans by winch all physical phenoterm of Physical Leience, * * dy imduing them with a them acquainted with the subjects included under the comprehensive lead them from lower to lugher truths, it can only be by making said "If ever we propose to educate the people thoroughly, to which these studies and deen met in this country. He traly President, Di Fayrer, remailted on the serious discouragement with delivered from this chair, at the close of the previous year, your ing the attainment of this desirable and In the valuable address not be possible for this Society, through its Conneil, to aid in facilitatted youth of this land, that I was led to consider how far it might inductive sciences, it was possible to exalt the tastes of the educabe improved, that by encouraging the cultivation of the untuial or estective means by which the social condition of this country could ally as applied to the medustinal arts, were among the most ed education, and the general diffusion of science, more especi-It was, gentleuten, with convictions of this kind, that extendat the solution of our problems

on that this was a subject worthy of the consideration of the Society, I lost no time, on taking your climi, in alging the Dioposition inct with this good cause. I am liappy to say, the proposition inct with their cancet support. A committee was selected, and entirested with

not, it will receive full and just consideration line laid the question officially before his Conneil where, we doubt His Excellency, and we have since been intorined, that His Excellency In this spirit, we addressed of which we did not rentuic to doubt large amount of knowledge would be disseminated, the good enters qualified to teach others, and that thus gradually, but most suicly, n acquired, that the enther students nould soon become themselves better and rendered obligatory with the pupil, the unformation would be University of Caleutta Me were satisfied that it this n ere deminded, to the conise required from every candidate for maticulation in the addition of an elementary knowledge of Ratural or Physical Science grado of an University training,-170 liane urged the very simple mulouity of the school pupils never intended to proceed to the luclici by a reference to the University standards,—even n lien the large studies in the yast majority of Schools was almost entirely regulited tion with all the detter class of students, and that the curriculum of in Great Britain, that the Universities were the great object of ambi-And secing, not only in this country but extension of such studies to a large extent eleated, before there could be any rely large by warel these subjects could be taught must in this country be that any change must be gradually introduced, since the agency best adapted to accomplish the end in viers, we neve quite igreed, And, as to the means which appeared to us the toke in the question entta, we felt confident of the interest uhich His Execllenc, nould this Society, and at the same time Chancelloi of the University of Cil-His Excellency the Governor-General, in the matter As Patron or object The question was fully decussed, and it nas decided to address changes should be, in order to ensure the successin attainment or the proposed changes, and also to consider what, and hon great, those able consideration of the authouties who would line to earry out any the disensaion of the best means of bringing the matter to the laror-

I conceive that this has been a most legitimate evereise of the influence which the Asiatic Society ought to possess, and I times the effect may be as deneficial as no anticipate. And inductify I times also, it may be of essential advantage to the Society itself in diminging into our lanks, a large inimber of ach, recalls, read, to take up aims in the cause of tinth. But let us not forget it the line incomes in the cause of tinth.

they are not open to all, but are hidden in her impost sanctuary, The great secrets of nature are not proclaimed in the market-place, produced, we may rest assured that they will continue to be excressed children." And it such liabits of observation and comparison ever be they are compelled to be the "children of nature and not her grandof the world itself, if they desne then information to be accurate, clearly, and the students are thus foreed to consult the great book Material forms and arrangements must be seen to be understood minst observe, each must compare, each must discover, for himself examp those reasonings nuff the impress of his own individuality, each reasoning based upon them, and must, if he wish to apply them, go over these observations, must timee the successive steps in the generation of men to be lost to another,—still each must for himself mind remain stationary, and allow the accountaited stores of one cobted on the authority of others,—unless ne would have the human means of aequiring knowledge is by observation, nucl be aeis well-tanglit True that m every physical science, n bere the great voke the exercise of, a process of selt-education, without which no man vation must produce, uninely, that they eal into existence, and prostudies consists in the movifible result which liabits of obsermunicate. And by no means the least advantage arsing from such and auxious also to leain from otlices all that they can comminuicate to others any knowledge we may ourselves possess, ready "great first book-the world,"-all I trust leady and anxious to comtrutli, fellow-pupils in the school of unture, fellow-students of that formation. Let us all be fellow-labourers in the great seatch after to the improvement of others as to the advancement of our onn inhave been wont to do as an educational body, and as devoted as much vient to this early training, let us view ourselves even more than we ns not forget, I say, that our Society itself forms the necessary completion,—if our youth are to be tramed up as useful entizens and men,—let that while we nive upon others the necessity of such extended educa-Proceedings of the Asiatic Society 35

We cannot here start from our own suppositions, and laying down not of our own imagination, they are ready prepared to our hands search are called into play. The questions to be solved here, are selves to hier service Rew inchods of enquiry, new modes of 1eand if we nould be honoused by her confidence, we must devote oursufficient accuracy Further, although minus prpers of bigh importhistory of other animals the existence of which nas known, but not with specimens also, which throw additional light on the structure and large. But he has deen fortunate in meeting several and in obtaining number of novelties brought back by Mr Blinford his not been very frequented part of the Aircan Continent, and that in consequence, the been perhaps better worked out, than that of any other equally unillustrations It is true that the Untural History of Abyssinia has ment of India, given to the public in a fitting form, with ample sincerely hope that these may be, under the sanction of the Governof his collections, and in the preparation of his detailed reports return, Mr. Blanford has been engaged in the more eareful examination cuspnesses upset he had brought to bear on his enquires sinia, was placed on thetable, and bore ampletestimony to the energy and with him, illustrative of the Matural History and Geology of Abyssiderable part of the valuable collections which he had brought back sketches up to the date of his return At the same meeting, a coninterest, and at the last meeting (Dee) Mr Blanford completed these munications giving brief accounts of his progress, which were full of progress of his interesting trip, the Society had received several comcountry, for the release of the prisoners confined there. During the attached as Geologist and Naturalist to the force engrged in that Abyssina our able associate, Milliam Blanford, who had been We have had during the year the pleasure of welcoming back from

ance have been published in other languages treating of the Laural

definitions, demonstrate identities as determined from a rejerence to such definitions. We must compare, we must determine resembl mices by a reference to type and establish similarity in effects by then analogy with known results of known causes. And this practice of reasoning from analogy, this necessity for estimating degrees of probability, and for balancing varying amounts of evidence, and the habits of thought thus educed, constitute one of the marked advantages of the Maturil Sciences as part of a system of education. They thus fill a blink by calling into active and continuous operation habits of thought, and by calling into active and continuous operation habits of thought, nor of the mathematical or social sciences sufficiently excicise nor of the mathematical or social sciences sufficiently excicise.

We have had during the year the pleasure of welcoming back from

the line of maich of the force which he accompanied. of his confining his researches to the immediate neighbourhood of tion of his visit, and the necessity, under the peculiar circumstances, acquisitions must be considered with reference to the very brief durajustify these anticipations. Of course, the extent of Mr. Blanford's expressing my conviction that the importance of the results will fully for such a duty when at home last year, and I have no hesitation in pleasure to urge the special stress of my esteemed and able colleague aequaintance with the Geology, of India. It was to me a great by his long and eager study of the Natural History, and his intimate well prepared he was for the investigations he has been engaged in, with great interest to Mi. Blanford's detailed reports, knowing how quines in the country they were compelled to enter. We look forward the liberal sanction they have already afforded to, such scientific onthe enlightened interest which they have altendy displayed in, and ment like that of this country, and would be a atting supplement to sell, would be an object nottby of the pationage of a great Governof such researches, under the editorship of the original observer himment of the facts in our language. I feel also that the publication согданија среге пелог ила респ пи престију со Сто и Сепетај стис-History of Adyssinia, there is seareely a single one in English, and

dut were yearly gaining in numbers, importance, and strength,—was them, and had not only held out against their thieatened destruction, ocean of Chincse, which had withstood all the attacks made upon strange people,—an island of Mussilmans in the eentie of a inging Panthay visitois were present, and a sketch of the bistory of this between these tribes and others. At the meeting in June last, some he had been. The collection is also sungularly suggestive of connection the histoir, hadits and relations of the curious tirbes among which for days past, shened what a neh haivest he had gathered, bearing on room, and which have been all open to the inspection of the public musical instiuments, &e, portions of which are still hanging in thus very valuable and beautiful sences or costumes, neapone, implements, Dr. Anderson's observations in those little known countries, but the towards the close of the year We have not yet had any defail of wielt the expedition from British Burninkto Yunan, and also returned Another of our members, Dr John Anderson, had been despatched

given by Manly' Abdullatif, dian'n up 110m a Ma in 11. In this by one of the Pantliays themselves We anticipate a large addition to our knowledge of these people, and of their boider titles, and liepe it the account of Di Anderson's sojouin among them, and liepe it may be soon accessible to the members of the Society and the public.

ment of this destrible end might be mide, it monthly summine India I monid suggest that useful progress ton irds the accomplishtrom all the returns one general recient or the increased or thronghout India Cenerally, when it may be practicable to deduce Provinces, and we look forward to the adoption of a uniform system, Similar enotes have been made in the N W. Rengal stations now be seemed for Bengal, by An H Blintord's visits to thu equal ence, and on a uniterm system. This element or success will unless the observations have been in each case conducted with nearly ties, and this correlation and comparison is norse than useless, correlated with other observations in adjoining or more distant localientitely in leading up to any general results, unless they can bo interesting to local observers local observations may be, they fail inipiovement, and we doubt not will bear good fruit, for, honever This is the essential first step ton nds regulaticy in the tecurins infloduce a greater unitermity in the system, and thus obtain a greater and comparing then metimicate, and the modes of registration, to stations, and poisonally conforms with the several observers, testing advice of then able officer, and enabled him, by visiting the ontseen, with pleasure, that the Government or Bengal has acted on the generally, from the office of the meteorological reporter meteorological elements, not only for Calentia, but for Bengil in a more complete and genetal form, of tables exhibiting the cluel the necessity for publishing them at all may be temoved, by the issue these retuins more quickly than ditherto, and that very soon It is proped that we shall in future be able to give August, 1866 ut the close of the preceding year, they had been esued only up to These had been allowed to get so much into anear that, number for 1869, now on the table, brings these up to the close of teorological returns for Calentia up to close or August The second part of the Journal for 1868, contains the usual me-

prepared by the officers charged with the record of these observations muder each of the local Governments, were to be published together each month. The observations are now published in detail from week to week, but I think the information they afford, might, with great advantage, be summarized each successive month

poration. no tiustworthy observations of the amount and distribution of evabeen made, and—of still lugher interest and importance practically recently reminded of,—no satisfactory photometric observations have of which in a general physical study of the country, we have been so and their distuibances, none of the seismic phenomena, the importance no observations whatever have deen made of the electrical elements, and thoroughly efficient, meteorological observatory may be made to combine both, and to form one really satisfactory, full and satisfactory results. And we would hope that arrangements The establishment maintained at either office is mentileient to seeme to Government. Now, neither of these are complete in themselves as well as those compiled in the office of the meteorological reporters publications of the results obtained at the Sarveyor-General's Office, tion of the several returns now given. In Calentia we have weekly which key persons ever look at; I would also gladly see a combinathan from the publication of a long list of detailed numerical results, summary of results each mouth, and indeed, I would hope, each week, more practical benefit would be derived from the issue of a brief ce, in the Upper Provinces And I eannot help thinking that bodies, for the publication of information regarding rain-fall; knowledged during the year, by the application from Commercial The great value, commercially, of these returns have been ac-

I have no doubt all these important questions will iecerve due attention in time. And I am confident that the Asiatic Society, which has now for nearly quarter of a century steadily, and at great cost to itself, given to the public continuous ietuins of the meteorological iesults obtained in Calentia, will iejoice to see such observations extended, systematized, and compared, with an amount of detail and care, commensurate with the importance of a knowledge of the and care, commensurate with the importance of a knowledge of the

atmospheric forees and then changes in direction or amount And here I would express our grateful sense of the manifold assis-

tance we receive from the Surveyor General's office. To Coloucl Thuillier and Colonel Gastiell we are indebted for a continuance of the bearty and friendly aid they have invariably aftered to the Esciety, not only by their personal support, but also by the indeality with which they have aided the Society in bringing out the Indeality with which they have aided the Society in bringing out the many illustrations which accompany the rolumes of your Jonnal, and which, without this aid, it would have been impossible for your

else than this, every student or these Non-Lij in people—(mil nho these, making a still turther advance ton uds truth—it in nothing Ind Dictionary affords for seeing the errors, and, by chamicaing But if in nothing else, then the greater i while which such a work as any completeness or perfection than the accomplished author lumiself researches havo not jet, and indeed could not is jet, live ittinied to confident that no one is more thotoughly consumed of the fact, that these mir I enous layese the relating method read the second and second and mire I those who may be placed in positions of authority, and have to deal then lauguages, and the evolution of these in successive ages—nud to out the enrious and intiicate relationship established by a study of would desire to study the distory of these people, with a rien to trace Aryan races of India These commend themselves alike to those nho year of Mi Hunter's valued contributions to the study of the Nonupich has been given to ench studies by the publication during tho languages, enstoins, &c I would also here acknowledge the impetus from various districts, valuable reports on the inlinditants, their lustory, empire has also attracted much attention, and the Society has received The history of the native taces in other parts of this ist graphs of those tildes, which he had not before had an opportunity of Di Sumpson line also completed the series of phototor Ereater progress being made during the coming hear, tonards their tion, as justifies then being at once sent to press, and ne may hope so well acquainted, have now attained such progress towards completithes among which he has so long laboured, and with whom he is requested Col Dalton to edit, together with his onn report on the papers on the Ethnology of Bengal, which the Government have I am happy to be able to announce to the Society that the rarious Council to publish

that has taken the slightest unterest in the chuological history of

India, has not been to some extent a student of these tribes,)—must feel largely indebted to Mi. Hunter. We look forward with great interest to the promised comparative grammar of these tongues, and trust the author may be enabled to carry out his intentions satisfactorily and quickly

in earlier times And I would venture to give here, a very buef and through the country in the search for proof of the existence of man I would more eagerly seek for the co-operation of many ever, come down to a time, when we tread on the verge of distoric interest, and to excite to similar research elsewhere. These, howfurther details have since been received, cannot fail to prove of ligh Coorg, of which your proceedings contain the record, and of which obtained. The very tematkable and very interesting discoveries in successive development in the use and manufacture of metals has have abundant evidence that, in India, as elsewhere, a certain law of have been found elsewhere also And possibly we shall before long discovery (supposed to be unique) has led to the knowledge that others as is generally the case in such enquires, the announcement of this Colvin near Mynpoorie have been proved to be of pure copper. But, countries also. Some of these implements procured by Mr Bassett same general character, as maile the use of this metal in other use by early races of copper in the manufacture of implements of the also the first instance of the occurrence in India of evidence of the from Ohina. And we have had the gratification of making known to compare the series which Dr J. Anderson has brought back been found. I would ask those n ho are interested in this investigation of the limits of area, over which these records of the stone age have During the year, valious additious have been made to our knowledge and then briefly alluded to this great importance of the discovery. of which I made the first announcement to this Society in 1865 (Dec) or knife, found in the deposits of the upper Godavery, of the discovery the Geological Survey of India careful diavrings of the agate flake the antiquity of man. I have recently published in the Records of ethnologic enquiries which dear on that question of surpassing interest, smouldering on the hill sides, the transition is easy to those Palmodistricts of this country, or of which the last dying embers are still From the study of the races still existing in the less frequented

hasty sketch of the reasons which lead geologists to anticipate such

marked divisions which exist in the successive tanna or Europe of change in the launa. We have in India none of these reis strongly of clinings in physical conditions, no find an equally marked absence of temperature over a wide area. And concedent with this absence hills, ecitainly, I think, none which would prove my great lowering I am not aware of the existence of any such evidence beyond the lay as to show the former extension or the glucieus of those hills True, there is abundant evidence in the great ranges of the Hima-(so far as the greater portion of this immense empire is concerned) periods in India, we find no evidence of these great churcial changes, Aucial period But 11 n e now look to the liestory of later geological endure the intense severity of an Arctic winter, during the 60-called to live in a temperate chimate, and these again by others who hid to elimate, de , that the Miocene animals n ere succeeded by others interd These tremendons physical changes brought about such changes in of Europe differs in almost every species from those which succeeded which I liave just referred And the Missesse (Minimilian) taun the time had occurred in the periods immediately preceding those to alterations both of surface and climate, and of the animals existing at . Emope, even in these very recent (geologically) periods. Still greater them equally marked organic changes, had occurred over the suitive or glacial, &e, to shew, that enormous physical changes, bunging with physical evidence, as indicated by the other mames of glacial, postthe evidence of man in these successive epochs, combines with the enumeration of the principal animal remains, found contemporary with Now, you will perceive that this very simple or that of the Aurochs ceros, 21d the post-glacial, or that of the reindeer, and 4th, the actual, eave-bear, 2nd the glacial epoch, or that of the Mammuth and Rhino-Europe I The ante-glacial epoch, or, as Lartet calls it, the epoch or the these instances - Four divisions have been tolerably well ascert misch in extinct, not of the various ages "hich different anthor-hase as-igned to existence of man along n ith numerous animals n litch list eques become within the last ten or so, led to the general acceptation, as a fact, or the concises, which though commenced nearly forty years since, hive only reed searcely detain you by recounting the several steps in the dir-

early period? the statement equally admissible, that man had lived back to this exist now. Why then is not the reverse, or reciprocal, way of putting animals have since then lived down to the period of man, and some early times were suited to the requirements of man. Many of the dated from a very remote period, and that all the conditions of those abundant evidence that, in India, the existing order of things has the Honumans which still chatter in our forests We have therefore The monkeys of that time can scarcely be distinguished from his cotemporaries then also, while true oxen and buffaloes abounded and Giraffe, cotemporaries of man at the present time, may have been True horses (Equus) existed, the Camel though the Sivalik forests. shur a) tectum lived then as now. Elephants then, as now, roamed the muddy banks of our existing rivers. The little Emys (Pangbones on the mudbanks of the Sivahk period, just as it now basks on The common Gharial left its the deposits never than the Sivaliks. And the evidence of the continuity of this descent is afforded by found burned under some thousands of feet of the Sivalik deposits. several of those animals, the remains of which Falconer and Cantley living at the present day the actual and unchanged descendants of Thus it happens, as first shadowed out by Enleoner, that we find

In this peculiar relationship of continuity between the newer deposits of the Godavery and Merbruda, and the older beds of the Sivaliks, consists one of the marked points of interest attaching to the discovery of evidence of man in any one part of the series. There is no sudden or marked break traceable in the Manmalian fauna which inhabited those countries at the successive periods, why should there be any break in the period through which man was a cotemporary of these animals?

In some very interesting and very important remarks made by my valued colleague, Mr Vm. Blanford, last year, when the history of the stone implements found in various parts of India was before the Society, he pointed out very briefly how, even up to the present day, the fauna of India presents a remarkable mixture of African and Malay forms; and how the fauna of the Nerbudda gravels, so far as Malay forms; and how the fauna of the Merbudda gravels, so far as Emown, appeared "to have been either purely Western, (African and Emown, appeared "to have been either much more nearly allied

nost nearly allied to forms non smid about almost asom Endon (and on the same geological horizon) more than 40 per cent among the regetable remains which occur in numbers close by in several antelopes are peculiarly Americ Further, Unger tonud spotted Hyena, the two-horned Rhiuoeeros, the Zebra, the Girane, and in these rich deposits of Pikerini and elsenhere in Greece, the that the living species which come nearest to the fos-il species found And when examined with a little more detail in comparison, ne find connects the upper miscence of Europe with those of the Sixilk Hills Satyrond apes, all form muts in the evidence which indiscolubly Hipparion, Hyanodon, Musk-deer (Diemotherium), Giraite, and misseene of Germany and Morth Entope on the other Mastodon, the Sivalik fauna of India on the one band thin it did from the tino sherved at ouce that the ninocene fanns of Pikeinn differed not nine single But the discoveries of Gaudiy in Greece some siz jears since geographical differences in the animals then, precisely as there are is a folially different question. And there nere also, and or comes, animals wandered over the same area at the same time, which, honerer, Me have as yet no evidence to decide the question n hether the sine same with the fanns of Burope and Africa during the process period mannahan fauna of India (West and North-West) nas one and thu feet certainty back to the very base of the Siraliks, and that the comparatively recent beds of the Merbudda, can be traced with perthe fauna of Europe and Africa to which he alludes, as regards the would agree with me in thinking that this intimate connection with that Mr Blanford has not stated the whole truth Aud I believe he change of climate since that early period. But I venture to think to be perfectly correct, masmuch as we have no evidence of a great which no such ease of substitution was known." The re isoning appears oldest remains of man yet discovered have been found, " and since Emope since the formation of those pleistocene beds in nlineh the since the deposition of the Nerbudda beds than had taken place m tinet affinities, indicated that a larger lapse of time had intervened faunas of the complete substitution of one animal tor another of disaigued very justly, that the case which he instanced in the Nerbudda to the Western fauna than is that now existing." Mr Blaniord also

We have already alluded to the absence in India of those

great physical changes accompanied by marked organic differences subsequently to thus Upper Mocene period And to this cause is due the fact to which Mr Blanford so justly drew attention, that the fauna of the Merbudda valley-beds, has a nearer alliance with the Western or Africo-European fauna, than has that now existing in the Merbudda district. The two fauna were in fact one in earlier times, and the divergence since then has been most gradual and is still in progress.

the investigation of other and distant lauds adapt to this country lave of distribution of animal life derived from in India, and too much caution cannot be insisted on, in attempting to to a knowledge of the true succession of Indian 10cks is to be found decause maisuping autimals now existed in Australia? The only key the deposits w hich hold these maisupial remains to be of secent age, ary rocks; reversing the question, would an European geologist declare -bacons in bunoi o 1977, because in Europe maisupial annual riene ionna fin secondary, an Australian geologist de Justified in admitting liis cave deposits to de the facts, and must therefore give inclevant or false evidence eal age of our Ludian deposits, is to appeal to nituesses who cannot know To appeal to Europe ior evidence of the geologihas been erroneous hitherto been adopted for these geologically recent deposits in India, cause I ieel convinced that the basis of the classification which has from European geology, save when speaking of European results, deendeavoured to avoid as much as possible the use of terms derived the relations which the extinct forms bore to them I have purposely a careful study of the existing animals in each country, and then of solution to be sought for in such problems, is to be obtained from it is that in such enquires we should be convinced, that the only tine facts which these truths contain, but rather to point out how essential odject of exciting attention to the very startling and very important Gentlemen, I allude to these recentehes not so much for the

As Falconer eloquently pointed out long since, it is in India, if any-where, that we must hope to solve the great problem of the succession of life. Here, it anywhere, shall we find in these ancient alluvia of marvellous extent, some of those intermediate ionus, all but totally wanting in Europe.

for a more detailed and earetal description of these very curious arehiteetural remains of Cashmere. And ne look nith great interest einist way deen engaged in the examination of the lughly interesting Lieut Cole, R E, who is also one of our members, lias in a Inceent among us this evening has resulted in a very serious illness, which has provented his being With great regret, we know that his visit to those and mous jungles that district, which we trust he will be enabled to make public connith a large mass of detailed information on the curious remains in member, Rasendialah Alitia, lias but recently returned from Orisi, ancient and less known iemains in valiens district. Our own active peen deputed to investigate, measure, and describe, some or the word wondrous skill in excention In addition to this, skilled engineers have one who can admine gracefulness of outline, massiveness of design, and stitking desuties shall be repeated in Binope, for the admination of every noble monuments of former civilization, have determined that then most venument of India have gone further, and while carefully preserving these mails these elections made patent to every visitor. And now the Goremoved, and the grandeur and greantic nobleness or conception which then buildings has been preserved and renewed, unsightly obstructions not felt grateful for the eulightened sprint in hich the inaginficence of etts atchitectural temains) has recently visited Delhi of Agia, and his the genius of any distinct ince de more satisficterily studied thun in student of the architecture of former dynasties, (and in what way cin each a magic interest to the great eithes of those provinces. What dieservation and renewal of the many glorious remains, which give liave been from year to year, at considerable cost, doing much for tho country For some time past, the Government of the Upper Proxincemodels of parts of the more interesting architectural reminer of the given to the examination and actual repetition by exact and iull-sized commensurate rath the rast interest of the enquiry, sinction his been to some few may appear enormous, but winch is in reality scattely intelligent knowledge of its distory and literature. At a cost, which hearty desire of the Government of this country to disseminate an

duidings from the pen So currons and so duterent are they from any other type, that Cumunzham classed them as belonging to a

The year just closed, has nitnessed rely signal proof of the

ritely on the facts require much more detailed examination, before pronouncing defithink, indicates a distinct transition to the true Jaina forms. But wee cated pyrannid, with bulging or curved sides, a form which, I should character of the roof, which here assumes the form of a square trunbuildings. With many things in common, they differ entirely in the they had been too hastily referred to the same type as the Cashmere these, and of making sketches of them. And I felt satisfied that the Salt range in 1864, I had an opportunity of sceing several of found, but with very distinctive peculiaities Duing a brief visit to remains, in many respects similar to the Cashmere temples, are to be hope that Mr Colc's researches may be extended to the Punjab, where that the builders of these temples were of an Aryan race I would term 'Cashmere' order or style, as the former name conveyed an idea Thus, however, has, by nearly general consent, given place to the new order of architecture to which he gave the name of Aryan

I would also refer to the most unteresting and valuable papers of Mr Ecrguson on the tope of Umanyutti, near Bezuara in the Madras Presidency, as an evidence of the great interest which Indian architectural remains are now exciting. Some few specimens from this very wonderful Buddhist election are in the Society's collection, and the members can judge for themselves of the maivellous detail and beauty of the sculpture which adoined its walls

More recently, the Government of India have, with great liberality, taken steps to secure the possession of a complete list, and also of as complete a library of Sanskrit works, existing at the present moment in India, as may be practicable. The Government have referred to your Society for advice and and in this very important step, and the matter is now under the consideration of the Philological Committee as India. The Society cannot fail also to feel gratified at the entirely unsolicited acknowledgment of their long continued efforts to promote a knowledgment of their long continued efforts to promote a knowledge of Oriental literature, which the resolution of the Governoidency of the publication of Sanskrit works of importance a sum of Reserve of the publication of Sanskrit works of importance a sum of Reserve of the publication of Sanskrit works of importance a sum of Reserves of the publication of Sanskrit works of importance a sum of Reserve of the publication of Sanskrit works of importance a sum of Reserve of the publication of the Society, conveys There is, I regret to say, a considerable difficulty in obtaining the aid of properly qualities asy, a considerable difficulty in obtaining the aid of properly qualities asy, a considerable difficulty in obtaining the aid of properly qualities asy, a considerable difficulty in obtaining the aid of properly qualities.

moos oon du a complete sence of Sansknit literature, has by no means been taken te would seem that the resolution to eatilogue, and bring together fied Sanskirt scholais to carry Sanskirt norks through the press, and

numerous Persian and Arabic works which exist scattered in the Sanskiit works, a similar step may be adopted with reference to tho I would hope that, on completion of the proposed Catalognes of

libraries of native Pinnees and gentlemen throughout the country

I cannot conclude without expressing to you the obligations under sum has been remitted in aid of the Bopp Commemorative Find of Bopp's continbutions to companative gramman, a very considerable to the Fund, that from scholars in India, who appreciated the vilue to dean from Babu Rajendralala Mitra, who has acted as Secretary In connection with Oriental studies, it is a sonice of gratibertion

the kindly support they have accorded to myself duing the term Conneil at lange, I must be allowed to express my own thanks for cantion with which they watched over you interests. all ove a very liently expression of our thanks for the assiduity and Treasmer, and to Dr Partridge as a member of that Committee, no Council have guarded your resources To Col Gastiell, is your and above all, to the eare with which the kininee Committee of Jour thanks for this gratifying result to the devotion of your Secietaries; it before you more punctually than in former years, you one sour been enabled to make the volume for the past year larger, and to bring upon the Society,—if instead of ceasing to issue your Journal, ne have It this misfortune has not fallen ed that om debts should be paid Rumous as ne felt that this would be, ne thought honesty demandevidence we do offer to the onteido world of our useful existence the publication of your Journal, and thus, in fact, give up the only onely debated whether it would not be necessary to cease for a time amount of liabilities that were hanging over the Society, it was serihad, with much anxiety, obtained a full knowledge of the heavy your executive officers and Council When ne first came together, and which, in common with every member of the Society, I feel nizedt to

ponom don conferred on myselt by placing me in four chair Allow me now to express my lasting obligation for the unmerited of my office

that desire

are not doubted, however I may have failed in my ability to accomplish evening given, that my willingness and desire to promote your interests And I thank you for the additional proof you have this If in aught I have done well, so far I have done according to my ing kindliness of feeling towards those with whom we may differ. course, by an undinching expression of opinion, and an equally undinchever be distinguished by freedom of discussion and freedom of interindebted to the members of the Society I tinst our meetings may kindness with which my efforts have been received, I feel greatly and would desire to forter and aid in the aequisition of it. For the deavoused to show, at least, that I do know the value of knowledge, been the lange of my own labouts and little as I know, I have enprogress of Science and truth in this country and limited as has and thoroughly convinced that your success is interwoven with the tialy desitons of the well-being of the Society, none more sincetely I can, horrever, assure you that none can de more Society's welfare edfier work than I am, would have been more beneficial to the in Calcutta, and less harassed by pre-sing claims upon his time from think that the selection of some other, more permanently resident I most candidly confess my entire ignorance And I cannot but enssions brought before you, those dearing on Oriental literature, dutics of the important office of President Oi one half of the dispainfully conscious of how inadequately I have been able to falfil the

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The Oldbam, Esq, LL D, in the chan The meeting then resolved into an ordinary monthly meeting.

The minutes of the last meeting were read and confirmed

The receipt of the following presentations nas amounced—

From Babu Kasendialala Mitin, specimens of shells collected

From Dr Shekleton, a copy of Assay Tables of Indian md \overline{c} on the sea shore near Pun

From Baden Powell, Esq , a copy of Report on Panjab Products, orper come

From the Superintendent G T Surrey, in copies of Report I lov

on the operations of the Survey Department to 1867-65

The following gentlemen duly proposed and seconded at the last

meeting were elected ordinary members

D' B E Bellew,

V Gudell, E-q, C S

O C Adley, Esq.

Major Ross, proposed by Dr J Anderson, seconded by U Blochthe next meeting of the Society The following gentlemen were announced as eandidates for billot at

The Rev J P Ashton, proposed by Rev J Long, seconded by moun' ged

Di J Anderson

Thakur Guipiasad Sing, proposed by H Blochmann, Esq., econded

Fied Diew, E-q., Junimos, proposed by Dr T Oldham, seconded by Dr Stoliczka

Dr E Stoliecka. Louis Schwendler, Esq., proposed by F Schiller, Esq., seconded by pa Di E Stoliecka

J Pickioid, Esq., proposed by Babu R Mitta, seconded by Dr

Sindar Att in Sing, Clinet of Bhinddour, proposed by E U Bigley, T Oldham

T Thomas, Esq, Barrster-at-law, Lucknon, proposed by Esq , seconded by Babn R Mitia

Blochmann, Esq., seconded by Dr E Stohecha

Dr Baxten, proposed by W. Swinhoe, Esq., seconded by Dr

Stoliezka,

Babu Protapa Chundia Ghose, proposed by H Blochmann, Esq,

seconded Dr F. Stoliezka. The Hon'ble John Strachey, proposed by Col R Strachey, seconded

by Gol. Thuillier.

The following gentleman has intimated his desire to withdraw from

the Society,—The Hon'ble C. P Hobhouse The President remarked that as the evening was far advanced, he would suggest that the reading of the papers which had been adver-

would suggest that the reading of the papers which had been advertised, and other communications sent to the Society, be postponed for the next meeting. This was generally accepted and the meeting broke

·đn

LIBRARY

last meeting

Presentations.

** Names of Donors in capitals

The Proceedings of the Royal Society, Vol XVI Nos 104, 105,—The Royal Society of Loxdox.

Proceedings of the Royal Institution of Great Britain, Vol V., part

III No. 47,—The Royal Institution
Proceedings of the Zoological Society of London for 1868, January

to June, and Index to the Proceedings from 1848—1860 Transactions of the Zoological Society of London, Vol VI parts 6 and 7,—The

Nogroeicat Society. Professional Papers on Indian Engineering, Vol V. No. 21,—The

Editor.

The Calentta Journal of Medicine, Nos 9, 10 and 11,—Tue Editor.

Rahasya Sandaibha, Vol V. No 49,—Tur Eduror Classified Catalogue of printed Tracts and Books in Singhalese,—

Тив Сомриква The Gospel of Matthew in Santhal,—Тив Rev. E. C Stewart.

Santhali Vocabulary,—The same Assay Tables of Indian and other coins by J. F Sheldeton, A. B., M. D.,—The Author.

Monographie du genre Cyalhopoma par W T. Blanford,-Tue

.nouruA

Note sur les Wieida par W T Blanford, -The Auruon.

Discours d'ouveiture,--Mons a De Tlassy

Selections from the Records of the Government of India, Foreign

Selections from the Records of the Madras Government, No IX — Department, No LXVIII -Tue Govienuert of India

Selections from the Records of the Bombay Government, No

CVIII —THE SAME

Phaimacopona of India by E J Waing, M L D ,-The same Report on the past faurines in the Bonibay Presidency,—The stur. Report on Public Instruction in My soic for 1867-1868,—The same, Report on Public Instruction in Coorg for 1867-1868,—The same

Selections from the Calentia Gazettes, Vol IV,-Tun size.

Panjab, 1867,—The same Annual Report on Meteorological Observations registered in the

Panjab Products, Vol I,-The Governuevt, North Western Pro-

Report on Insects destructive to noods and forcets by Mr R.

Report on the Trade and Customs of British Burma for 1867-1968, Thompson,—Tue same

Geographical and Statistical Report of Tanda, by Captain D. -The Government of Berell

Annual Report of the Revenue Survey Operations for the Lower Macdonald,—Tun Surveyor General of Lana

Piovinces for 1867-68,--The same

Onele for 1867-68,-Tue saun General Report of the Revenue Survey operations for the Upper

General Report on the operations of the Creat Trigonometrical

\$80-7981 tolialatio young

Pur chase

Revne Archeologique, Nos 10 and 11. Revne et Migram de Zoologie, No 10 The Edinburgh Review, No 262 The Calentta Review, Nos 94 and 95

Revue des Deux Mondes, 15th October and 1st Movember.
Journal des Savants, September and October.
Comptes Rendues, Mos 12—17.
The Ibis, Vol IV Mo 16.
The Annals and Magazine of Matural History, Vol. II. No 11.
The American Journal of Science, Mo. 137.

Hewitson's Exotic Butterflies, pt. 68.

PROCEEDINGS

OF THE

VEIVLIC SOCIETY OF BENGAL,

ков Гевплата, 1869

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T Oldham, Esq, LL D, President, in the chair held on Wednesday, the 3rd February, at 9 o'clock P u The General Monthly Meeting of the Asiatic Society of Bengal was

The minutes of the last meeting were read and confirmed

From Babu Madliava Krishna Setha, a speemen of a fungua The following presentations were announced

From Col R E Oakes, a box of flut implements collected in from the neighbourhood of Calcutta

the neighbourhood of Jubbulpore

The following letter, addressed to Col Gastiell, accompanied the

" My attention was first drawn to these relies of past ages, by the donation

Jubbulpore, and at a little distance below the surface bers of them, lying about on the hills and high ground in and around late Lieut Sweeney, of the Bombay Engineers nho discorcied mini-

tout spots They are innited to three or the greater number of the specemens merely describe, as nearly as I can, the sites on nluch I have tound mined by the Geological Survey of India, and I will, therefore, "The geological formation of the Jubbulpote Basin lits been exa-

as mere fingments, and tery imperient They all, honeits dishundreds from this site alone, many of which I aftern ads discarded considerable numbers on the surface, I must have collected some Jubblipote European troops The fluts nere scattered about in north-east of Jubbulpore, at present used as a sanitarium for the "The first and the most prolific bed occurred on the top of the hill

BE K.

tinct traces of laving been worked by man The specimens found here were principally the grooved cores and than splinters A second site was on the ridge which runs in a north-easterly direction from the above named hill; it is principally composed of limestone, hard and compact. I have failed to find any traces of fossils in the limestone, which I have frequently examined.

"A third site is on the high ground on the base of the granite hills, north and north-east of Jubbulpore. In this place, many good specimens were found, all splinters and grooved cores. On the flat topped hill at the back of the European infantry rifle lange, in they may be so were found, principally of the knives and chisels, if they may be so called, few if any of the cores were found here.

"On the high ground, west of the Magpore road, about a mile and a half from the station, many chips are procurable I have also found specimens in the Scence district, notably on the high knolls met

with on the plain around Lucknadown Rhas

"Further, on a mound about a mile south-east of Seonee, on the Ruttughee road, and in other parts of the district on the surface soil, lying upon the Trap on the plateaux

"Many of these implements appear to me precisely similar to some of the specimens in the collection of M Boucher de Perthes, as illustrated in the diagrams of his most interesting work "Antiquités - Celtiques et Ante-diluviennes" The specimens, therein figured, were all extracted from the druft beds in the vieinity of Abbeville, in the

valley of the Somme "The account of their discovery and the probable uses of these imple-

ments are most ably discussed in the above named valuable work regret that I have only one specimen (an imperfect one) which I have retained, of the large axe, commonly known as Celt, of which several excellent specimens have been found in the Jubbulpore district, but all, as far as I know, in the country to the north of Jubbulpore I have seen these specimens, and could procure diawings or copies in wood, if they would be considered of any value to the Society.

"It is a very remarkable circumstance that these fluit implements are, with few exceptions, found lying in masses within a limited area by themselves, and not mixed up with the rough agates from which they have been manufactured. Agate beds are sometimes found near,

removed for use.

tongh beds, and but few of the rough agates intermized with the but distinctly separate, none of the chips as a rale being round in the

collectors, it will tend to indicate very conclusively that the manufac-"Should this fact be fuither confirmed by the experience or other cprbbeq scores

tured fints were collected and massed for a purpose."

" George January 1001, 1869, "

hin literi evon oil to notonborg oil tolk guinianer etnemers has Amt-implements, and what were now found were only the tude chips Theso had evidently been the seats of manuacture of these ally a half-finished arrow-head, or, some other implements in the of nothing but the chips and iragments of longle finits, with occasionwhere that implements were commonly tound, similar heaps composed Europe also Ho (the President) had himseli seen in the north of Iteland, among the rough agates - Facts of a similar kind had been noticed in formed, and on the other hand none of the chipped flakes were found themselves, unmixed with the rough agates, out of which they had been noticed by Colonel Oakes was, the finding these chips in heaps by had been more than once met desore. One of the interesting facts ciety, were of precisely the same general character as others which The President said, the cores and flakes submitted to the So-

finished implements found out of these agates, and which had been

Around a small grantee bill, numerous such flakes of Obsidian were in Abyssinia had already been mentioned by him (Mr Blamoid) have been the abode of a flake-maker. An instance which occurred of agate flakes during probably a considerable period, it may perhapspot where they were found, was a place used for the manufacture occurred, and in such a manner as to leave it to be interred that the localities, frequently on the tops of low rises, where no rolled agains he had usually found such flakes to be abundant in small restricted In reply to a question from the Piesident, Mr Blanford added, that 1867. The quantity occurring near Jubbulpore was astonishing. similar finkes and cores near Nagpore, as described to the Society in and had gone over the ground with him. He had since met nith doealities whence the flakes and cores were derived near Jubbulpore, Mr W Blanford said, that Colonel Oakes, hed shevra him the

riuis similan to some of the Central India ones, close to Magdala in Abystioned his having found last year a core of black chert, perfectly must have been brought from a distance. Mr Blanford also menwhich was entitely composed of grantic tock, so that the Obsidian met with, although none were noticed in the surrounding country,

in connection with the occurrence of the implements in the north of Col R Strachey and Dr. Stoliczka made some further observations

The President and that another similar communication had been France and along the Danish coast

The Secretary then read the followingreceived, which may throw some light on the subject under discus-

Memorandum on the Gromlecks found in Coorg,\* by Lieutenant E

sibal 10 Cole; -- communeated through L Bowring, Esq., by the Government

man at any rate, as regards our knowledge), regarding whom all our been a large settlement of the mysterious tace of man (of pre-histoire occupying a distance of nearly half a mile, showing that there had the diidge across the liver Kareii. There were about 500 Cromlechs, the 11ght of the road leading to Mysore, and about half a imle from partly covered with handoos and serub jungle &c, situated to My first researches were made on some high ground, The following is the result of further executions made near

2. There were IT of these ancient structures excavated and the researches and conjectures have been as yet intile.

dimensions were as follows —

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| 0                  | 0 | g                     | ₹ | 8                    | 8          | '&         |
| L                  | 8 | 6                     | 9 | 3                    | II         | 'I         |
| Depth<br>Feet Inch |   | Breadth<br>Feet Inch. |   | Length<br>Feet Inch. |            | .οM        |
|                    |   |                       |   |                      |            |            |

published in the Proceedings for August last year, Others were drawings of pottery, in many respects also resembling those bling the one of which a figure was given in the Proceedings for June last a photogram The former represent several of the Cromlechs, in shape resem-# This paper was accompanied by several coloured drawings, lithograms and

4 The Rev Mr Richter, the Principal of the Gorerment Central School, has kindly photographed one of the Cromlechs  $\tau$  It is within a circle of 14 feet in diameter, consisting of rough unhern boulders of granite, 33 feet high, and 2 feet broad. The aperture is I toot 7 inches wride by I foot 2 inches deep. The top slab is almost on a level with wride by I foot 2 inches deep.

the grante of which these slabs consisted, n as so in decomposed, that the grante of which these slabs consisted, n as so in decomposed, that it crumbled to dust and could scarcely be traced in the soil. One had no side slabs, but the sides and bottom slabs were perfect, and had no top slab, facing the east, was the segmental aperture n lich formed the entiance or door, as described in my former reports. This formed the entiance or door, as described in my former reports. This formed the entiance or door, as described in my former reports. This formed the entiance or door, as described in my former reports. This formed the entiance or door, as described in my former reports. This formed the entiance or door, as described in my former reports. This come time stunded within a circle of stones of 25 fect diringed concentric circles. Again in another the top consisted of 2 large slabs, each one toot thick.

Some of these Ciomlechs were distinctly visible, ultilat others were only traceable by the circles of stones round them, the supermennithent slabs being about a foot or two below the smilise of the ground, and often covered over by bamboo clumps and low jungle, shening that they had not been disturbed by the hand of man for ages past

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| 0 | 0 | 0      | ₹      | 0              | 9                         | 'II         |
| 0 | 0 | 9      | 8      | 0              | L                         | 'OI         |
| 0 | 0 | ₹      | 8      | OT             | <b>L</b>                  | '0I<br>'6   |
| 0 | Ŧ | 6      | 8      | 0              | 9                         | <b>'</b> 8  |
| 3 | Ŧ | 0      | Ŧ      | 8              | 9                         | 'L          |
| 0 | 0 | 9      | 9      | 0              | 8                         | <b>'</b> 9  |
| 0 | 0 | 0      | 9      | 0              | 6                         | 'g          |
|   |   |        |        | -              | _                         |             |

Proceedings of the Asiatle Society.

the bottom of the boulders of rock around it. This fact would distinctly indicate that such a structure could not have been used as a residence, as it must have been flooded by each heavy shower of ram.

5. About a mile to the north of Fraserpett, on the road to Sommarpett, I found a number of Cromiceche; but most of them had been tampered with, apparently by the vunders for the sake of the slabs. One was 8-9 feet long by 5} feet broad, and 3½ feet deep. It was vithin a circle of rough stones of 47 feet in diameter. This is the largest circle I have observed in Coorg. Another was 7½ feet long by 5 feet oircle I have observed in Coorg. Another was 7½ feet long by 5 feet broad, and 4 feet 2 inches deep. Both of these had segmental aper-

the original constructors of these mysterious stiuctuies, or, that these would clearly indicate, that the process of distillation was known to glazed or polished. A large round pot with three small tubes, The smaller goglets are composed of deautiful black pottery digily found near Ramasawmi Kunné Some of these deserve special notice. in the Cromicclis situated beyond the bridge, others those which were submitted nith this meniorandum, some of the vessels are those found In the lithograms, and kindly given a sketch-lithogram of them Revenue Survey in Coorg, has also taken drawings of these ressels, vases, &c Lieutenant W. Freetli, Assistant Superintendent of the ful in shape. Mr. Richter has also photographed groups of the uins, Some of the uins are unique and really beautinoti do essend han In all these Cromlechs I found similar remains of antique pottery, bones, I found a number of these rude structures, and had four of them excavated. At Ramasawmı Kunné, about 5 miles to the north of Fraserpett, tures facing due east

The finding of such a vessel, so different in its use from the Cinetary urns and other vessels generally met with, would again open the question as to whether all such structures were tombs, or whether some wore used as residences. It can be said that food, &c, might have been placed for the use of the spirits of the dead, is it, however, possible that a still was supplied to enable such a spirit (penhaps one of a known thusty soul), to procure a further supply, but this is to rush into the regions of fanciful imagination, and as aptly said by a late writer on the of fanciful imagination, and as aptly said by a late writer on the second.

structures have been used by subsequent and different races.

an engraved cow and calf

" being for any end, which it may think good " " use or origin we have absolutely no record, as deing brought into "which it may think good It is open to concerve, objects of n hose "absolutely silent with men of any race, speech, or social condition, subject "It is open to the mind to people times about which lustory is

have been able to decipher as yet pett, in the very heart of the jungle, I found a few more Cromlechs, Further from Ramasawmi Kunné, and about half way to Sommar-

The meetiption is surmounted by and will submit them horeafter will try and obtain pliotograms, or impressions taken off the stone, by the action of time, but some would look like old Conarese The letters are much obliterated meeription in some character, which neither I, nor any of my officials and opposite to one, a fallen square pillar, which was covered with an

which was found in the Ciomleelis at Viaspett, but nilely nas laid inspection and comparison I would also submit a piece of etal. Commissioner of Mysore and Cooig, to Di Oldham at Calcutta, for condition, was found and forwarded through Mi. Bowing, C S I, found, a portion of the human gaw with two molar teeth in fair In one of the Ciomicche, in which fragments of bones were

of paddy, the husk of which was in perfect preservation, whilst the One of the unns found in the Cionilechs at Fraseipett was full and forgotten It is very haid and slightly cuts glass

givin itself lind completely disappeared In others I found itse

that they are of a more modern period timily, shaped and of equal thickness throughout, which would show but the ressels found in the Ciomlechs of Cooig are nell, some beauaid of the potter's videel, it vers of miegulai toun and unequal tluclauess, and in initialial and, that having been moulded by hand, without the pre-historie man, that the pottery of the stone-age was rude in torm Mr II F Blantord has shewn in his interesting lecture on

the exception of the double-chambered structure at Virispett, de-The most remarkable Cromlechs I have yet seen in Coorg, willi

and extensive riew all tound. These Crounlechs have a circle of constructed on the rocky summet of a hill, which commands a fine those last described, but nearer Sommerpett There are only toni setthed in my former reports, are extunted in the same direction as

stones round each, but stand out in high relief, and have never been covered with earth or stonc. [In the centre of the lithogram, the Breeth has given a sketch of these interesting structures, and I have also the pleasme of for warding for submission to the Government, colored drawings of the group and of each separately executed by the same officer?

12. These Cromlechs were quite empty and the largest, measured inside, is 7 feet three inches long, by 6 feet lugh and 5 feet wide. The superincumbent slab was II feet 8 medies long, by 8 feet wide. These Oromlechs were evidently not used as tonibs, and I am strongly of ancient universal object of idolatious worship, and the moon also received the early veneration of mankind, and placed as these structures are, in high relief, on the summit of a rocky hill, they would appear at places for those anniversary fires and sacrifices, in which the earlier races of man delighted.

of the dead Manddedia a mane, derived from the Sanseit, and signifying the houses In the Canarese language these antique structures are often called porre means a small but, in Tamil pore also means a large stone. structures have not been found in the Malayalum country to the Coorg dialect, the term used is Panduporie, though such structures In the Malayalum language, which dears a strong affinity ma ruce, who are popularly supposed to have occupied these rude celebrated five brothers, whilst the Pundinus are a legendary pig-The Pandus are the descendants of the founded with each other. These two words must not be conor house of the Pandus. Pandupairie, or the stone of the Pandus, and also Pundera mané are known in different parts of India. In Coorg they are called which these monuments of an unknown race and of pre-historic times It might be interesting and of use to trace the names by

The President said that the jaw, alluded to by Lieut. Gole, unfortunately never came to hand. He hoped that it had not been lost in transmission by post, and that it may soon be recovered. The following letter has been received by him (the President) from Mr. Bowring, regarding that gentleman's recent visit to some of the places where numerous Cromlechs are satuated.

were truces of a stone stancese as an approach to this building. had been elected which had been ent so as to torm a lude arch There dalis, - only a yard wide, however, -- and at the south two large stongs than the others, appeared to have been surrounded by two small retaina man's body One of them, which was in slightly better preserration ling a rear stone, picted with a round hole, which would just admit The interiors may be 8 feet by 5, and all of the stinctmes probable that by digging deep under ground, surther discoveries would to have been sunk only 2 feet beneath the suiface, so that it is un idea of them, but I may mention that the dislodged stones appear The photograms which you have seen, give an excellent trons, and scattered about at distances of 5 or 10 jards from one question, are rather more than 50 in number, facing in various direc-The Cromlechs, if one may so call the stone structures in and is of no great lieight, but covered with low jungle and black them The hill in question is about thise miles noith of Sonianaipett, there are a great many Pándava Kalla (stores), as the Coorgs cell of the Muata Hoble of the Yélusávun Shimo Telnk of Coorg, where " I visited this moining a hill called Moif Betta in the Molte village,

The Coorgs are absolutely ignorant of any pist history attaching to these singular structures, but it innet be remembered that their own annals do not reach further back than the time, when the first of the Hiler dynasty, who were Lingzints or the Mugni Division of Mysore and not time Coorgs, began to inle the Ringin Division of Mysore and ente time Coorgs, began to inle the themselves invaders and came from the Mulabar side, as I unique that their liabits resemble those of the Mins or that country. The abortgines were probably the low eistes, who still form the mission of the population, over whom the time Coorgs inle in a pitein illy despote fashion, hiele formerly was simple slavery.

It is impossible to foun an accounte judgment whicher the stractures in question were divelling-places or esimeteries. The people think they were the former, but there is not the slightest trace of smoke on the roots, which would, I apprehend, have been the case, have they been lived in, on the other liand, no skeletons, or jars containing colonied is able to been round, such pots is liare been disconning colonied is a base been round, such pots is liare been disconning only earth. Some rogs seed, various nitensils, such covered containing only earth. Some rogs seed, various nitensils, such

as I have sent you, and a few rusty implements have been met with I have requested Captain Cole to get the structure which I have not much referred to excavated, and to report the result, but I have not much hope of further discoveries of interest being made, while the windants, or stone-entters, have done their best to demolish the buildings, and, I presume, abstract their contents."

A short disensaton followed on the same subject, in which several

members took part.

The President then exhibited on the next of Golegel R. Strocker.

The President then exhibited on the part of Colonel R Strachey an axe which, he (the President) sand, possessed a great resemblance to similar implements found in Europe. The axe had a long curved and sharp edge, gradually attenuating behind into a kind of a straight handle, which has the edges flattened, so as to allow it to be easily used in the hand. The material from which the axe had been made, appeared to be bronze,\* and if this was really the case, the implement would be of extreme interest, it would be the first example of a true bronze weapon of that kind having been found in India. The only remarkable thing is a regular seriation, as if it had been made with a tenestial, on one side of the sharp front edge. It would be very interesting to know where the axe was found and under what encounstances dold Strachey stated, the only history he was able to give was, that

the specimen was said to have been found somewhere near Jubbulpore, and was given to Mis. Strachey when passing thiongly that station.

The President thanked on the part of the meeting Colonel and Mis

Strachey for the opportunity of exhibiting that interesting telle inst The following gentlemen duly proposed and seconded at the last meeting were balloted for and elected ordinary interabers

Major W A Ross, R A (re-elected)
The Rev J P Asliton.
F Diev, Esq
L. Schwendler, Esq
L. Schwendler, Esq

J. Pickford, Esq. T. Thomas, Esq.

Sirdár Atlai Singh

\* Mr. Tween has since carefully analysed portions of this axe and shewed it to be bronze. Its composition is 867 parts of copper and 183 parts of in in 100 parts

Babu Pratapachandra Ghosa, B. A. Dr 1 B. Barter

Thákun Ginpiasáda Sing The Hon J Strachey

A letter from A Anderson, Esq., Fyzabad, intimating his desire

Sankara's Commentaries of the Vedánta Sutrá. The work is to be the New Sence of the Bibliotheen Indien, of an English translation of The Council reported -that they have sanctioned the publication, in to withdraw from the Society, was laid on the table

Khoyyam has been completed, and that the work is to be printed in Further—that the collection of the MISS of the Ruba'iyi i 'Owar executed by the Rev K M Banerjea

This office was vacant in consequence of the departure of Sir John Excellency the Vicercy de solicited to decome Patron of the Society The President stated, that the Council recommended, that His the Bibliotlicea Indica in one fasciculus

to adopt on the present occasion - Passed with acclaination. solicit his acceptance of the post —a course which the Council proposed of the officers of the Society should wait upon His Excellency, and Livrence, who had held it. The usual course was that a deputation

The names of the officers are not included in this list, they being ear ing gentlemen to serve in the several Committees for the ensuing year The President also reported, that the Council recommends the follow-

1 -Finance.

COMMITTEES FOR 1869. offices members of all Committees

H B Meditcott, Esq. Di J. Anderson. Babu Rajendralala Mitra, W S Atlenson, Esq. H F. Blanford, Esq. The Hon'ble J. B. Phear 2 — Probary H F Blanford, Esq. Col H Hyde Di Z B Partridge.

A Pirie, Esq. W G Wilson, Esq.

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3.—Philology.
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E O Bayley, Esq.

The Hon'ble J. B Phear.

The Rev J Long

O H Tanney, Esq.

Babu Kajendralala Mitta

Moulvi Abdullatif Khan Baliadur

Babu Yatındı amohana Thakura

-Natural Arstory [including Physical Science].

Di J Enyrer, C S I

H F Blanioid, Esq.

Dr T. Anderson.

Dr. S B Pattridge

W S Atkinson, Esq.

Di I Elaure

Babu Debendra Mullicka

H B Medicott, Esq.

Lieut -Col J T Walker

V Ball, Esq

D Maldie, Esq.

Dı Mohendialála Sircara

Di. J Anderson

2 - Com

E C Rulied' Red

Babu Ragendialála Mitra.

Col H Hyde

Major F. W. Stubbs

g.—Istanological

Industric and Physical

Dr. J Payrer.

Babu Rajendialala Mitra.

The Hor'ble W Markby

noziebnA t ra

Dr. S B Pattidge

Di T Ewsit.

H F. Blanford, Esq.

The Members of the Council. 7 -Committee of Papers.

погозод of the chamman a vote of thanks was passed to Messis Stewart and energetically taken up the work entiusted to them On the proposition rs under great obligation to Messis Stewart and Peterson, who lind so (see Appendix pp xvii &c) have deen found correct, and the Society to audit the aecounts of the Society for the past year The accounts the meeting the report of the auditors, appointed at the last meetings The President and that he has much pleasure in laying before

Notes on a short trip into the Patkoi Range, by II L Jenkins, τ The receipt of the following communication was announced—

zEzd

Tabular statement of 30 years' rainfall by Bábn Gopinátli Sen. 8 Peel, Esq Short Motes of a trip into the hills south of Sibsangor, by A G.

A copy of a Jouiney to Kashgai in 1858, by Captain Valiklia-

-Riom the Government of India, Boieign Department now, translated from the Russian by R Michell, Esq, F R G S

previous meetings, were then read The following papers, some of which had been postponed from

Descriptions of marine shells from Crylon, &c., by Messrs

The species described in this paper are of very great interest, they G and H Nevill-communicated by Dr Stolicaka, (Abstract).

ธอเาอฝัร Ceylon will thus receive untther additions through the following new yet little known molluscous forms of our Eastern seas of this paper for then untiling zeal in especially emerdating these as raiest shells, and conchological science is greatly indebted to the anthors nulu, Muerochisma, de The last forms are alnay s considered to be the chinale division by species belonging to the genera Fissus ella, Emaigi-Pupui ida, several smill species of Tiochida de, the Dienau-binnechiale Mollusca are represented by a species dedunging to the family The Prosoluirnotice of former observers and collectors in Ceylon are chiefly small shells which up to this time had perioetly escaped the

Emangriula papilionacea, Em. capuloidea, Sub-cmangriula Oldhami-Tallordes (u sub-g) roseola, Preulina (n sub-g) Adumenta, Dupontiana, G. Blausordiana, Gibb (\*) subplicata, G Stoliczhana, Rapana della, Clanculus Coylonicus, Euchelus Scychellarum, Gibbula

Macrochisma scutiferum. It is to be hoped that agnies of all the ana, Solarum impressum, Fissurella sciodiculata, Liss canalifera,

All the type-specimens described in the paper were exhibited at the species can de given to accompany the descriptions.

meeting.

Stoliczka by Captain H II Godwin-Austen, F. R. G. S -communicated by Di. Votes on the geology and physical features of the Jainta hills;

Captain Godivin-Austen expresses the hope, that intther investigations occurring at Lakadong, winch is believed to have been formerly worked. Special notice is also given of the Unmimilitie earl fossil Vertediata equivalents of the Sivalike, so well known thiough their 11eh fauna of Some of these tertiary deposits appear to be the tertiary age times overlain by a very fossiliferous feiruginous look of still younger On these sandstones rest locally nummulitie limestones, someare of eletaceous age, and in some places contain seems of valuable and extent, they are overlain by sandstones which most probably year) The oldest tochs exposed are metamorphies of great variety number of part II, of the Journal, Asiatic Society, Bengal, for this paper on the geology of a portion of the Khasi hills, (punted in the first general correspond with those described by the same author in his The geological formations, noticed in the present contribution, in (Abstract)

the physical features of the ranges are especially noticed the regular are, however, of greater extent than the other formations Among In the Jaintia distinct proper granites, quartzitie and trap rocks

may ding to hght a much larget geographical distiibution of the various

the dramage lines. forms and equal heights of the various peaks, and the parallelism of

coal beds.

ot the paper. will no doubt be granted, and he would, therefore, defer the reading Godwin-Austen's request before the Conneil, but the postponement There was no more time to bring Captain covered in the Caclini hills ing to add some more species of the same genus, only very lately dissent in, the author, however, requested that it may be postponed, wishtreats on somenew species of Indian Diplommatina Since the paper was paper, by Captain Godwin-Austen, on the list for to-day's meeting, it Dr Stoliezka furtlier stated, that there is another interesting

With reference to the geology of the Jaintia Inlls, Col Straelicy asked, whether any of the fossils which have been found in the Nummulitic linestones of Assam and the Mastein Provinces of Bengal, were identical with those of the Westein Himalaya, as for instance near Subathoo

Dr Stollezka said that of those species of fossils whiteli he had the opportunity to examine from Assam, there were about 80 per cent of them identical with those found in similar beds in the Morth west Himslarys, the Sait-range and Sind. In fact there is a remarkable similarity to be noticed in the fossils of the numminitie series from India through Persia, Asia Minoi, Transylvania up to the Carpathian Mountains. A large number of the same species of Numminities, the same Concelypus and others are met with throughout. There are, however, above the Numminities in Assam, more recent sandstone beds which contain a perfectly different marine fanna, probably representing similar beds which appear to be more extensively developed in the adjoining province of Brima.

LII Contributions to Indian Malucology, No X — Descriptions of new species of Cyclopionene, and of the genera Ennea and Streptaris from the hills of Southern and South-western India, by W T Blanford, Esq., F G S &c., (Abstract)

The new species described are entinely from the hills of the South-western and Southern portion of the Indian Penmanla, and the majority belong to the openeniated land shells. The greater number have been discovered by Captain Beddome, to whom is due almost all that is known of the Mollusca, inhabiting the hill langes south of the Pulneys Three species are from the collections made by Rey Fambank on the Pulney Mills, from amongst which I have already described two species of Diplommating, both belonging to the group peculiar to the Indian Pennsula

The first 3 shells belong to a new subgenus of Oyclophonus winded I propose to eall Dietopie, from two stiong keels which occur in all the species. Some species have more, but all have these two keels, one at the periphery, the other basal, separated by a smooth space. This is of course an unimportant character by itself, though it appears to be constant. The other peculiar characteristics of the type are the viticous structure and the thick operendum with rough free edges to viticous structure and the thick operendum with rough free edges to the whoils externally. The forms appear quite isolated, and although the whoils externally. The forms appear quite isolated, and although

I doubt, if the characters justify a generic separation from Cyclophorus, they ecitainly shew that the shells belong to a very well marked and peculiar group. All are from the hills ou the borders of Travancore.

the Pulney Hills, the other from the frontiers of Trarancore inclined to attribute to it. Of the two species discovered, one is irom amongst the Creenoride at all events, uluch some unturalists are is different. This openeular structure, though, has not the importance, haps should rank as a subgenue, but the structure of the operculum Myschopoma It approaches very closely to Cyathopoma, and perlamina being hollow. From this character I propose to call the genus angles to their planes, the spaces detween the whorls of the formed of two thin disks united by a spiral lamina coiled at right peculiarity of the operculum consists in its being hollow, not solid, clined to consider the similarity in the operculum aecidental rus, the shell of which, however, is very different, and I am inis very similar to that of the Bornean and Siamese genus Opisthopoepidermis with strong erenulation maide the mouth. The opereulum found a new genus They are small turdinate shells with a thick hany known forms, that I see no other plan of classifying them, than to The next two species appear to me to differ so much from all

The next shell is a new Spinaculum, the first met with in Southein India Four or five species are known though some of them are undescribed, from the countries east of the Bay of Bengal, and a few years since I described one discovered by Captain Beddome near Vizagapatam The present discovery, one of Rev Fairbank's, shews the existence of another genus with decided Malay affinities in the hill langes of Southern India.

A few years ago when S11 Emerson Tennant wrote his very interesting work on Ceylon, one of his principal arguments for the distinction of the famus irom that of India was the absence in India of several genera, then beheved to be peculiar to Ceylon Amongst these were Cataulus and Tanalia Captain Beddome has now discovered no less than 3 species of Cataulus in the hills south of the Mighins One has been described by Dr Pieisfer from Captain Beddome's specimens, been described by Dr Pieisfer from Captain Beddome's specimens, two of which found then way in Mi Cuming's rich collection, now

in the British Museum; a second from the ranges on the frontier of Travancore I now describe, and I have heard from Captaru Beddome

are the only Ceylonese forms still not known to be represented in amongst the operenlated land-sliells, and Acavus amongst the Helices which it was, with some doubt, assigned by M. Benson the opereulum shows that the species really belongs to the genny to peculiat Tundia stomatodon of Mi Benson in the Pulney Iulls, and of his discovery of a Sid species Rev Fairbank has ie-discovered the

Proceedings of the Asiatic Bociety

Captain Beddoine lins also discovered a third Indian species of Southern India

and a new and currous Streptaxes from Canara species of Ennea allied to E Pervies, Pn, from the Pulney hills, The other shells desembed are a Lubuan O Crespigni, H Ad larger than the two previously discovered, and even than the singular Opesthostonia in the Wynand, and this very eurious form is much

nough, Esq, by the President (With a map) valley, by H L Jenkins, Enq,—communicated, through H Goode-Lotes on the Burness roule from Assam to the Hookong-

on the south side of that Patkor range. The following notes of the quescion and travelled along the old path as far as like Kony ing, the fifteenth of last month hom Makoom, the last outpo-t in that the old \*Burmese route from Assant into Upper Burmih, I stated on Wishing to eatisfy myself as to the practiculity of opening out

more than two or three teet or nater at the outside Encimped at pond This is not difficult at this time of the joir Jourst really ded of the Deling river. It is necessary to cross the 117cr it every no road eastwards or southwards beyond this point, except the natur il Isth December —Started from Makoom in the morning

tip may perlaps prove interesting to persons connected i ith Assim,

16th - Continued to travel up the bed of the Dehing and comped nght at the mouth or the Terap 117er

at night at a small Singtoo village, a short distince below the Kerreut-

influential clinet of the Assam Singtoos lives here He accompanied Tith -Reached the new Beesa of the unips Bunk, the most pain, an affinent of the No Dehing 111 er

18th -Camped at night at the mouth of the Dion-pini, mother

me across the Patkor

19th —Continued up the Dehing and camped at night at the mouth

of the Namehik 11ver. 20th.—Above the confluence of the Dehing and Namehik 11vers, the

main river is called Namroop This day we travelled up the Namroop, and camped a little below Sankaph Parbut

21st.—Continued up the Mamicop, which here runs through a nairow gorge between Sunkapli Boom\* and Miting-koo Camped

at night at the mouth of a small stream called Namgoi Land.—As I found much time was lost in dragging my two small

cances over the rapids, I resolved to leave them behind, and loading my baggage on my elephants marched up the stream of the Namroop, tall I reached the Namphook village, which consists of eight Singtoo honses.

S31d —As this was the last village I should see, it was necessary to lay in a stock of provisions. This day was spent in bargaining for nice and in arranging with the able-bodied men of the village to accompany me as guides. I had some difficulty in arranging vith these men. It was necessary that they should consent to act as porters if required, and Singtoos have a particular objection to carrying loads for other persons carrying loads for other persons

24th —Started from Namphook village, course due south across

dred feet higher than the bed of the river. After a two hours' walk, we came again on to the Mamioop and naded up its stream till the evening, leaving the bed of the stream now and then at the bends of the evening, leaving the bed of the stream now and then at the bends of the river, in order to keep as straight a course as possible. Both banks of the river were covered with a forest of immense timber trees, and underneath the larger trees was a rank growth of jungle through which we could not have made our way, except for the tracks of wild elephants Along these tracks, when it was necessary to leave the bed of the river, we could walk, and with a little cutting of the creeping and climbring plants, the ponies could be made to follow very well, but the tracks ing plants, the ponies could be made to follow very well, but the tracks were neither high enough nor broad enough to admit of elephants were neither lugh enough nor broad enough to admit of elephants with their loads passing along them, so I sent back my elephants to with their loads passing along them, so I sent back my elephants to the village taking on as little baggage as possible, partly carried by the Singleos and partly by the ponies. The Mamioop was for the

\* In Singtoo, boom is a mountain, koo a hill.

most part shallow, but occasionally we came on deep pools of very clear water. The quantity of fish in these pools is astonishing. The Singloos speared a great number during the daytime. Camped at might on the banks of the Namicop

Softh—Continued our maielt up the Kantioop, much in the same manner as on the previous day Striking occasionally into the Jungle to avoid going out of our course uluch up still south, until we reached the month of a smill stream. Up this latter etream, the Yunkee, we travelled till evening and encamped on its bank. Munkee, we travelled till evening and encamped on its bank. The country during the early part of the day nas undulating and gradually decame hilly. The principal rock nas a soit bine slate gradually decame hilly. The principal rock nas a soit bine slate decasionally a thin seam of sand-tone appeared. The strata nore trails and the slate which are seam of sand-tone appeared. The strata nore than the strata nore that the strata is the strata nore that the strata is the strata is the strata is the strata in the strata in the strata is the strata in the strata is the strata in the strata in the strata is the strata in the strata is the strata in the strata in the strata is the strata in the strata in the strata is the strata in t

On the summit I tound a sixty to seventy feet without a branch at least twelve feet in girtle, and the latter grous to the height of particularly noticed the Sami and the Mekalu These trees arerige Of the timber trees common to Assim, I of jungle to be less thick ascended, the forest trees seemed to improve in size and the undergrowth any attempt to lessen its steepness by alterng the direction The path was very nearly straight, there n is hardly fixing Jungle when we eame to a fallen tree or some other obstruction enused by the The ascent nas not steep, the pomes had no difficulty except menced the ascent of the Patkoi, by a narrow and not very well in irked After travelling about an hour up the stream, we lett it and comfor the bed of this stream is composed of large round slipper, boulder-26th —Continued to wade up the Aunkee nith slow uncertain steps, taulty and in some places very much disturbeil Tlie strata nore The country during the early part of the day was undulating and

good deep soil covered with dainboos, eines, and torest trees groung luxuriantly, but not so rankly as in the plains, others nere new to inc, plants and trees nere common to the plains, others nere new to inc, particularly n cane dearing an edible muit, which I do not recollect draving seen defore I found the Tea plant admidiant on doth sides, draving seen deformed on the gouthern than on the northern slope.

<sup>\*</sup> If this route is opened our, the uninense quantity of fish in all their rivers in grove of economical importance. The most numerals are Cign is (take) dysolicities, that dus mucrocaplaites and Baid is leading the first of the first that the fir

The Singtoos gathered the leaves and commenced to prepare tea after their own fashion. They told me that tea was to be found in the jungle near any spot where there had formerly been a Shan or Singtoo settlement.

As far as I could see, there is a depression in the Patkor range at this point, and it is to be supposed that the Buinesse would not have selected this for their main route to Assam, unless it had possessed considerable advantages over every other path

The present path uses probably from 2,500 to 3,000 feet, but to cross the range with a road, it would certainly not be necessary to

On the Assam side I could see little but the tops of the bills below me, on account of a heavy fog, but southward the an unas clear and I had a very fine view of the country. The most striking object on the Burma side is a large open plain dotted with a few tiees, some eighteen or twenty inites long by seven or eight broad. At the western end of this plain, and almost immediately beneath the Patkor is an open sheet of water, perhaps three miles long and exceeding a mile in breadth called Monyang\* by the Surgioos. The lake stretches nearly from east to west. It contains a triangular shaped island near its south-east extremity where its waters are diamed off by a small stream called Loglar which running southwards falls into the Sonoong, and this latter river falls into the Denar or Kyundthe Sonoong, and this latter river falls into the Denar or Kyundthe

After examining the lake and satisfying myself that its waters did run southwards through the Loglar, I retinined to the top of the Patkoi and encamped there. I was anxious if possible to get a view of the Assam side, so as to gain some idea of the best line of load to

ween of the maps. The Kyundween, it is well known, falls into the Lirawady, or Milee, as the Singtoos eall the great liver below Ava

moodsM

The nearest of the Hookoong villages are on the banks of the Sooroong, lying under a hill called Gadak which was pointed out to me and which appeared to be about twenty-five miles south of Monyang, as the crow flies In the evening two Singtoos came into our eamp from these Sooroong villages, and I leaint with surprise that they had slept two nights on the road since they left their homes.

\* Non, a lake, yang, the name of a Shan chief, who held this post for the Burmese.

They had travelled ny the bed of the Sooroong and then up the Logiai The devious comise of these streins, and the difficulty of wading over shingle and bonders, must account for the slow progressingles.

The villages on the Sootoong, they informed me, did not munder more than fitteen houses and that very little rice would be procui ible from their villages to the Denai is a two days' maich through forest They described the country on each bank or the Denai is nell collervated and thickly populated. From the Patken to the Denai, the path did not he over any steep hills

The Singloos who accompanied me, had only agreed to take me is far as Nonyang, and I failed to induce them to go further south with me. It was then dustest time of the year. The only crop they grow was being reaped, and they could not affect to lose any more

It will be seen that the only difficulties to be encountered on the road between Assam and Hookoong are caused by the densemes of the jungle The intervening country is a videouces ease Below the larger trees is a tangled mass of smaller plants, most of them chimbers trees is a tangled mass of smaller plants, most of them chimbers interes struggle for life trees and wiestling with each other in an intense struggle for life The only paths by which man em more an eithe matural beds of rivers or mountain attenus. It would be impossible to leave these channels, everyt tot the tricks made in the jungle by herds of wild elephants. Progress along such piths is very slow, and the distance to be trivelled very much merersch, owner to slow, and the distance to be trivelled very much increased, owner to the necessity of often following the windings of the streams

The Buimese government in normer days took care that there should be a village, or rather a unite in settlement, every tacke or fitteen iniles along the route, and it was the business or the prophe, laying at these stations, to each the jungle occasionally, and to remove fallen trees and other obstructions from the path. The route is now fallen trees and other obstructions from the path. The route is now fallen almost entirely into disuse on account or the posts is thing been one by one deserted since dagnet last. Only three triding private have come this may from Hookoong into Assun. Triders now meanly travel by a more encurrence and very difficult path through the Migh hills, passing from one Naga village to another, so as to

for a more scientifically constructed road, or a Railway. render an examination of the country easy, and thus pave the way the number of marches that the journey now occupies, and it would enable the trader from Hookoong to reach Makoom in one-third would not exceed one thonsand Rupees per mile Such a toad would the constinction of an ordinary "cutcha" toad, and the cost of it Maga and Doonundh laboni to be obtained in the neighbourhood for trom Makeom to the Kyundween There is a sufficient amount of What is wanted is about ninety miles of road secura for their loads rice and busy it at convenient intervals along the road, and then have adopted in their expeditions on the ice. They carry forward this toute much in the same manner that the later Arctic explorers pieseuts at every other point, they form depôts of provisions along not hill men, and to avoid chmbing the steep scarps which the Patkon sides his load of goods, but the Moolooks, Singloos and Dooannahs are pounds neight of rice for his own consumption on the journey, bede used at all by traders, considering that each man must carry fifteen obtain supplies It is to be wondered at that the Mamicop toute should

On my return I fell in with a party of eight men returning to Hookoong. They had brought over amber ornaments, avory and daos for sale Two of the party were taking back about thirty yards each of the pootest description of calico\* and another had some sulphur. The rest had invested in opium.

These men assured me that there was more than one well need trade route through Hookoong, and through the Sepahee Singioo country, to Tali and other places in Western China. The question of opening up China to India is of so great importance, that it is not likely to be lost sight of, now that it has once attracted attention, but the magnitude of this subject should not make us pass over the value of improving the communication between the Builhampooter and the Kyundween The great want of Assam is population to cultivate the soil. We can obtain is bourers from Bengal, but ne have also to great soil. We can obtain is bourers from Bengal, but ne have also to great extent to import their food and this in a notoriously feitile country.

\* I am not sure about the name of this cloth. It is composed chiefly of starch with a small portion of cotton to give toughness to the fabric. It is never seen in any civilised place, but the Manichester manufacturers know well how to suit savage customers who must have cheap clothing, and do not wash their clothes

The ground is cropped year after year and no manure is used, yet the fire ground is cropped year after year and no manure is used, yet the

T. The ground is cropped year after year and no manure is used, yet the

of a road only as far as the watershed of the Patkoi nould prove of distance the road would he in British territory, and the opening up Buimese government, but through considerably more than half the what difficulties there would be in obtaining a right of may from the jungles starve to death, or are hilled by wild annuals. I do not know never arrive here. They lose the path and vandering about in the It is said that numbers of persons nho leave Hookoong for Asim country and unaccustomed to the jungles, must encounter on the road entitely owing to the hardships that persons, reared in a cultivated Shan states That people do not come in greater immbers is, I believe, a small extent by the influx of emigrants from Hookoong and the Phakral Docannah and Singioo population is mereased landing to and physical appearance of the people. At the pre-ent time, the mainly derived from this quarter, is sliewn by the language, en-tonis, triall be from the East. That the existing population has been their first airival in the province. It Assam is to be re-populated, owing to the fact that the elimate does not suit most Bengilis on respect to the selling or leaving of wastelands, but it is ilso in part doubt a good deal owing to the illiberal policy of Government with That Bengalis have not settled to any extent in the proxince, is no

no sinall value to the province Debroogher, 12th Janualy, 1869

tion of Assam is to be sought, is a not unimportant one, and it doc-The question of the source from n liveli a remoral of the populanot be necessary to go over greater elecation, than probable 2,000 Jenkins also thinks that if a path or road nere opened out, it would range, and to get down on the Binmese or Chinese slope (by estimation) 3,000 teet, he had been able to cross the same Patkon any real difficulty or danger, and nithout a greater ascent than Jenkins now shows that in a trip of only a few die, and nithout come, supposing the intervening country had been presed rery difficult to eross, and as being still a great difficult to be or erthe western part of Chuna, notices this Pithor ringe, as being something interested in, when speaking of the contesteading to Assum, Ec, from Mr Cooper, whose adventurous journey in China they lad all been a country, almost entirely unknown Bren so lately as fret year, interesting and valuable, as bearing on the geography of a part of The Chauman said, Mr Jenkins' notes just read, were very

Mr. Goodenough, for the communication of these notes. able. He thought they owed then dest thanks to Mr Jenkins and tion to our knowledge of the geography of this area was very accept-British Government that thus should be so, and every little addiwhich was still very little known. It was scarcely creditable to the and would also shew the large area of country, the geography of of the relative position of the aicas explored by these expeditions, Capt Blakiston had reached. This general map would give an idea its course at Shanghai; and also the furthest point to West, to which to Momein, of the French expedition which had recently completed of Wilcox, of Griffiths, of the recent expedition under Capt Sladen Mr Jenkius' 10ute, and on which he had also shewn the routes notes, had also sent him a sketch map, on which he had marked Goodenough, who had been good enough to forward to him Mr Jenkins' looked in, if an easy means of communication were opened out. Alr. seem prodable, that considerable immigration from Buima might be

The reading of Mr Peel's paper on the hill ti ides south of Sibsau-

yor, was postponed for the next meeting dorly strackey then spoke of a remarkable stroke of lightning during the recent storm, a house having been struck, apparently from the side, on the corner opposite to the one the conductor was placed at This was probably owing to the moisture with which the walls of the house were saturated. The inct does not, however,

speak very favorably for the new election of members and the

meeting separated

## LIBRARY

The following additions were made to the Libinay, since the meet-

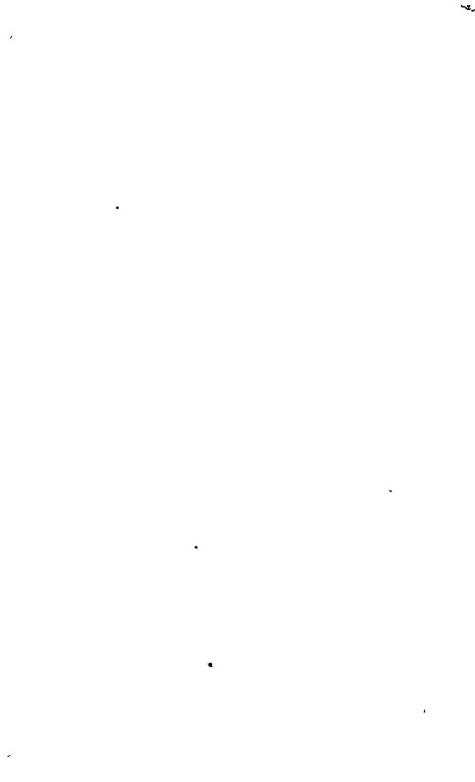
Pus chase.

The Annals and Magazine of Matural History, Vol II Nos. 1 and 2 The Calcutta Review, January, 1869 The Munismatic Chronicle, 1868, Part III.

સ્ટ્રાપાયામાં <sub>ક્રિક</sub>ાતા

The Athensum, October and Zovember, 1868

Revne linguistique, 2nd tonie, fase 2nd



## PROCEEDINGS

OF THE

## ASIATIC SOCIETY OF BEYGAL,

ков Лівси, 1869

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The Monthly General Meeting of the Asiatic Society of Bengal was held on Wednesday the 3id matant, at 9 o'clock v a

E C Bayley, Esq., in the chair

The minutes of the last meeting vere read and confirmed

The following presentation was announced—

The following presentation was announced—

The following presentation of India, Home Department, 24 bronze

medals, executed at the Calcutta Mint
The following gentlemen are candidates for ballot at the next

The following gentleinen are candidates for dallot at the next

E D Lockwood, Esq., C S, proposed by Lient B C Beavan,

seconded by Dt. J. Anderson M L. Ferrar, Esq., C S., proposed by Mr H Blochnianu, seconded

by Dr F Stoliczka. Alimad, proposed by Mr II Blochiniun, Aloulyie Kadeeruddeen Alimad, proposed by Mr II Blochiniun,

seconded by Dr F Stoliczka. Dr. F Day, Madras M S, proposed by Dr J Anderson, seconded

by M: H Blochmann Rev C Haberlin, Chota-Nagpore, proposed by Mr II Blochmann,

seconded by Dr F Stoliczka

Col H Hopkinson's desire to withdraw from the Society nas re-

The President said he had much pleasact to announce that His Eccellency Earl Mayo has been pleased to accept the office of Pation

of the Society The following papers nere read—

corded

CANADA COM CO

I -Short notes of a trip into the hills south of Sidenugor, by A C Peel, Esq -communicated through Dr J Anderson,

by Dr Stoliczka (Abstract.)

hir Peel in company with Mi. Wagentreiber, Junior, accepting an invitation from the Rajah of Banparas, started on then trip on the 30th of Martation from the Rajah of Banparas, started on then travelling were soon felt, the road passing to a great extent through jungle, generally along streams; and the path soon became so marrow that not more than one man could pass on it at the time. The amount of waste land was also one man could pass on it at the time. The amount of waste land was also yeary large, scarcely I per cent of the mea appearing to have ever been under cultivation, though in most places the land was well situated. The rock was mostly sandstone, but many quartz pebbles were to be seen in the bed of streams

Wild elephants appeared numerous They are caught in traps, these being deep everyations in the ground, wider below than above, supplied at the bottom with numerous bamboo spears, and covered over with branches of trees and grass. These traps are generally constructed on narrow passages of the road. Wild prg., and various deer were observed in large numbers. Very remarkable was also the quantity of fish in all the streams, but uniortunately the Magas sometimes use poison to catch them, and thus destroy often more than required to satisfy their wants.

The party of travellers was met by the Rajah's brother, who soon was jorned by the Hoondekar and the Lowdong The latter is the name of an official who travels in the name and the authority of the Rajah, the former designates an official who represents the Rajah at home Aiter a march of the first few miles the road became so difficult, that the elephants had to be sent back, and the journey was prosecuted on foot The village Lowghong was soon reached, and with the permission of the Khoonsai, or the head man of the village, the party visited the same Only a very small portion of the land was under cultivation and the same ground is seldom cultivated for more than two successive years, a fresh pripose of intest being generally every two years buint down for the purpose of cultivating the diam The village was partially surrounded by a ditch, 6 feet wide by 6 feet deep, and feuced by bamboo sticks; besides this there were watch-houses and other kind of forthfeat besides this there were watch-houses and other kind of forthear

tions A custom seems to prevail here to expose the bodies or the dead on raised hamboo stands, roofed in with Janoo prim leaves. Each village has its Jack trees (Astocarpus integrigations) with which its toy some old. From the highest point of the rillage a magnificent view into the sairounding hilly country could be obtained, especially in the districts occapied by the Hootoo Mootoons and the despecially in the districts occapied by the Hootoo Mootoons and the despecially in the districts occapied by the Hootoo Mootoons and the districts occapied by the Hootoons Magne while districts occapied by the Hootoo Mootoons and the districts occapied by the Hootoons Magne while Hootoons and the districts occapied by the Hootoons Magne Mag

Bor Mootoons, those of the Neyovloong Nagas were also distinetly discentible

From Longhoug the party returned to the place where they left the Kluoonsar of the village, and proceeded vestward, until they reached the liver Sisa, where they camped for the night Next morning afterner Sisa, where they camped for the night Next morning afternards in an almost due northeily direction towards Brupula afternards in an almost due northeily direction towards Brupula flee path was at first very steep and up a feiny cleft, it, however, soon became more level, passing tound the shoulders and along the ridges of a sense of small hills, tolerably level in the main and at sufficient height to give a good view. At about hali way to Bampina the earth height to give a good view. At about hali way to Bampina the party came to a place that could be easily detended, it lies on a party came to a place that could be easily detended, it lies on a narrow ridge with a precipice on cash side and not more than four narrow ridge with a precipice on cash side and not more than four

became general The party was then requested to perform some unracles, xucterized by every one wishing to have a voice in the assembly, soon regarding the country and his people, but the confusion, chaeeteinouy of presentation The Rajah spoke at first a tew nords of the Rajah and other visitors of course assembled to niness the similar bench was prepared opposite for the party dans officials on a sort of huge stool, about 8 feet high by 5 feet broad, and a notched tree-stem The Rajah, a man of about 40 or 45, was scated ras by far the largest in the Chang, and had to be climbed up on a The party was conducted to the Righ's house which suo ioiuna par houses all thatched with Jasoo leaves, the jack trees were also large built place as Lowghoug, being extremely irregular and broken up, tho Soon after the party came to the village Banpara. It was a similarly cipice, being only a few inclies wide

or five yards across The obstruction was commanded by a use in the ground delatine on the ince of a pre-

which were supplied by firing off revolvers, striking matches, &c. A magnet also seemed to yield a great deal of anusement

The house of the Rajah was then inspected, it was estimated to be about 200 feet long by 50 feet broad, and about 50 feet high. Like most of the other houses it was built two-thirds on a rock, and about one-third continued out level by a platform, supported on posts, this part was the tree posts, one down the centre, and one on each side. After the greater number of the Khoonsais and Hoondekais had left, the Kajah was prepared to receive his presents, though he appeared to have been rather disantished at not getting one of the guns, or revolvers. A few of the houses in the village were afterwards also visited, but they all of the houses in the Yillage were afterwards also visited, but they all resembled that of the Rajah, built only on a much smaller scale

enemies deing generally retained as slaves seems to be a common custom among these people, the captives of can be heard at a distance of from six to seven miles. Slavery cut out from a tree stem. It is deaten by short heavy sticks and sides the skulls, the bloottoong also contains the big drum which is children are as often killed as men, and without any compunction Beor on the legs. The worst of this kind of warfare is, that women and of the same party gets different marks accordingly, either on the hands, Ale on the face. Another who gets the hands and feet, when a man state, &c One who gets the bead of an enemy secures for himself the a man can succeed in doing this, he cannot take part in counsels of can only de obtained by bringing in the head of an enemy that, all social position depends on tattooing, and this decoration the constant warfare. It is, namely, a custom of great antiquity, face to face with the great cause of the isolation of the tribes and kind of Ak, or decoration. It was currous, says M1 Peel, to be off with the head, when a man is killed, each conferring a different any other parts of the skeletons. The hands and feet are always ent half lying in a heap on the ground. No lower jaws were to be seen, nor 350 skulls there, half of them being hung up by a string and the other The Moorroong, or skull house, was next mspected. There were about

The return journey was performed along the same road, and it did not occupy more than ten hours, the whole distance being about 24 miles.

-evolloi

S

Mi Peel suggests that potatoes and other vegetable, could be

The Banpara tribe consists of four rillages, and the mean or several Assamese and Naga estimates of the number or houses given is as

			Total,		006	
Nokotong,		•		•	09	"
фолоО	•• ••				320	tt
, gaoilgwoJ	•	••	••	•	500	**
Banpara,	•				300	pouses

Air Peel is, however, inclined to think that 600 houses will be nerrestible mark, and that there are about 1200 able-bodied men. The Johok 1-Angas have 5 villages with about 1200 houses and about 2000 able-bodied men, the Mootoons occupy 4 villages Mr Peel finither notices the various weapons used by the Banpains, the sperre, res and bows no of the usual form used by the Kaga inhabitants of this usual form used by the Kaga inhabitants of the usual form used by the Kaga inhabitants of trade seems to exist between these hill tirbes and the inhabitants of the plains. With the exception of a very small quintity of sat, and a the plains. With the exception of a very small quintity of sat, and a few other things exchanged for rice, almost nothing is brought down

In conclusion Mi Peel gives a short account of the occurience of several seams of coal in the lower hills south of Sibsauger, Some of the coal appears to be of very good quality, judging from the conclusional and glittering fracture of the samples obtained A short vocabulary of the

Magn language is also added

The paper is accompanied by a series of berutiful coloured slietches, illustrative of the character, habits and customs or the people, and of

NI —Further notes on Chand's poems, by F S Grower, M A, C S

the general character of the country

The President read the greater part or this paper, nined will be shortly published in the first number or the Philological Part of the Journal

M: Blochmann said that the paper just now read by the President was the second paper on Chand, with "hich M: Gronso had favoured the Society M: Growse conferred a benefit on Oriental scholars by

many who spoke Hindustani nith fluency Europe were able to understand Hindi poetry, though there might be should print translations from Hindf, because very few scholars in Garein de Tassy had done in lies last 'Disconis,' that the Society Brockhaus of Leipzig, who expressed the same wish as Professor He had lately had a letter on this subject from Professor graing translations of extracts, as Hindi poetry nas extremely diffi-

He therefore hoped MI Growse would continue his contributious.

Views of Emperor Albar (Abstract) Indica, by Mr H Blochmann -No I Badaoni and the Religious III.—Motes on the Anabic and Persian Editions of the Bibliotheca

interesting extracts, accompanied by philological notes of our editions, then wittings, style, are, and to give tianslations of collect all the miormation which we posses regarding the authors the Society in its Bibliotheca Indica. The essays are intended to This paper is the first of a series of Essays on the works printed by Mr. Blochmann said -

of learned men and poets of Akbar's age, as also for the detailed inthe end of Jahángu's reign It is valuable for the brographical notices This book was, however, discovered towards during Akbar's lifetime ministers, and was therefore concealed by the author and his children Badáon Mais listory is mi nettern in a spirit de Alcha and lis history of Akbar's reign, by Mullá 'Abdalgádir ibu i Mulák Sháh of The work which I have reviewed in this paper, is the most remarkable -

formation which it gives on Akbai's religion

norgilest s'indila no I shall now tead an abstract containing a few summary remarks

the religious views in which he had grown up. to trace the encumetances which led them here to modify or reject profitable task to dwell on this subject, especially when it is possible Hence biographers and it a and disclose the motives of his deeds mony interesting features. They concern the inner life of the helo, The religious opinions held by men of historical importance, present

is a tematicable fact, and would scateely be eredited, if we had not should have openly abjured the Islam, and established a new church, That the greatest Muhammadan emperor, which India has produced,

of strong Parsi tendeneres.

character and opinions.

These thiese works are the Abbannanah by Adminal, Akdannanah by Adminal, Akdannanah Drime Minister, and especially its last volume, which is dest known under the name of Ain & Abban's secondly, the Muntal lab al's Tawanikh, by Addul Qadu of Badfon, who beld an office at Aldan's court, and thirdly, the Dadistun al Mazánih, a noik written about sourt, and thirdly, the Dadistun al Mazánih, a noik written about sexty years after Aldan's death by an unknown Muhammadan writer

We may also add the valuable testimony of Portuguese Missionaries whom Akhai called from Goa, as Rodolpho Aquariva, Antonio de Monseinato, and Francisco Emisques, &e, of whom the first is also mentioned by Abulfazl under the name or Padri Radalf—not Radalf,

as had MSS spell lies name Lione works, we gather the following Lion the abovenientioned three works, we gather the following leading facts regarding the Divine Earth, which name Akhai gave

leading facts regarding the Divine Kaith, which name Akhai gave his new religion Akhai's secular and religious colnection had been entired

Akbai's secular and religious education had been entirely neglected, overng to political circumstances. Being sinitonnded by Hindu servants, when young, and mairied to Hindu princesees, when young, and mairied to Hindu princesees, when worship, which were openly practiced in the hairen of his father and in his own. Thus a strong attachment to Hinduism grew up in Akbai's lient To judge from Badsoni's remailer, the influence of the Ilindu portion of Akbai's hairem, which contained above 5000 women, was very great, and nas no doubt the principal reason for women, was very great, and nas no doubt the principal reason for whichis apostacy from the Islam

Akbar's saily wass, from 1556, when he was in his fourteenthy year, to 1574, did not allow him sufficient leismo to take up religions questions, or to supply the deficiencies of his seenlar education but Akbar felt the want. A change, however, took place ton aids the end of 1574, or 982 A H, the eighteenth year of his life. "No political opponent was leit on the factly that the years from 1574 to 1581, which Abbri spent at Pathr par Sikii, were comparatively peaceful Immediately before 1575, Akbar entertained, and openly expressed, doubts regriding the conference of properties of several points of the Minimulain religion. He also confectness of several points of the Minimulain religion. He also confectness of several points of the Minimulain religion.

very inferior rank among the religious of the world prophet as the only true religion, and, shortly after, assigned to it a character of the Ulamás, he ceased to look upon the religion of the despise them, and judging the Islam by his conception of the Akdai, instead of profiting from the Ulamás, learned daily more to opinions regarding some Liamitic laws was most remaikable every question was made a party cry, and the difference of their of all rules of deconum As both Shi'ahs and Sunnis were present, the discussions were carried on in a bitter spirit, and even in violation Ulamás, in the very degraning, quarelled about precedence and rank, however, produced the very opposite or what Alchar wished valious sects to meet him every Thuisday* evening These meetings For this reason he invited the leained and the lawyers of the Islam possessed a sincere heart, and was anxious to discuss certain tenets of According to the testimony of his enemies, he then he was particularly attached to the doctrine of the transmigration of for such as lived in voluntary poverty Of the tenets of Hinduism, manifested a sincere regard for really prous men and Quits, especially and the lawyers, whom he thought somewhat concerted, whilst he shewed a slight dislike to the 'Ulamás and the Mullás, the learned

Another proof of the emperor's sincerity is the zeal which he shewed in collecting information regarding other religious systems. He spent whole nights in conversation with free-thinking Quits, he called Páisi priests from Guyrát, and Roman Catholie blissionaries from Goa, whilst acute Brahmins led him into the mysteries of Hindu philosophy After making himseli acquainted with the tenets of these religious systems, Akbai came to the conclusion that there were in every sect sensible men, and that it was, therefore, improbable that truth should be confined to one single religion, especially to a teligion like the Islâm, which had not existed a thousand years religion like the Islâm, which had not existed a thousand years

This conclusion led to two important results —first, it convinced Akbar of the necessity of perfect religious toleration, and secondly, it induced him to think that truth might be found by selecting, irom among the tenets of all religions, those doctrines which recommended themselves to his calm understanding

* Not Friday evenings, as given in Elphinstone's History. Shab i jum'ah, or Hind jum'ah, is Thuisday evening

the proud Mullás a lesson of hundlity. and was immediately fixed upon by Akbar as the man who could tereli the degranang of 1574, owed his success to his aigumentative skill, Jelan in general Abulfaal, who had been introduced at Court in in their power to merease Althar's dislike to the Unusa and the Akbai would turn, and in the meantime successfully tried everything They were waiting to see to what religion Akbai's famous minister his sons Paizi, the second greatest poet of Hindustan, and Abulfazl, stani Sunnis, the most important were Shaikh Mubarik of Migor, and speeulations often wandered from the path of religion mondered from upon whom people looked as the greatest Quif then hyng, though his Among the Quins, Alchar esteemed most Shallh Tayaddin or Dihli, three are generally mentioned-Purulinotam, Debi, and Bir Bar former very bigoted, the third a man of no principles Of Brahmins, Amul, n lio arrived in 1576 They were Peisian Shi'ahs, the two Fathpui Sibri in 1575, Mulla Muhammad or Yazd, and Mir Sharif of several of his courtiers, as Hakini Abuliath of Gilán, who came to In his opinion of the Islam, Alchar was also influenced by

Airbay's dislike of the learned and the lawyers, and their constant defeats at the Thursday meetings, lessened considerably the authority of the Clinef Justices of the Empire, and might have produced serious difficulties, had not Sharkh Mindarik, by a clever sticke, transferred the interpretation of the law from the judges to the emperor the signatures of Sharkh prepared a legal document, nor which he got uddin, the Clarkhambh stand Ghazi Khán, Akbar's eronn lavyer, and of Markhamulmulk and Ghazi Khán, the leaders of the segment of Markham, Akbar's eronn the several expounders of Minmas in the serious differences between the several expounders of Minmasham differ due deliberation, they had found it necessary, to ask the emperor to assume the office of Mujukahad, or infallible authority of the age, and they had agreed among themselves to ice to lim all dimerances in interpretation, and would hold themselves bound by his decess in interpretation, and would hold themselves bound by his decess in interpretation, and would hold themselves bound by his decess in interpretation, and would hold themselves bound by his decess in interpretation, and would hold themselves bound by his decess in interpretation, and would hold themselves bound by his decess in interpretation, and would hold themselves bound by his decess.

eistons for even the same of the control of the con

emperor as the testorer of all thrugs.

One of the first consequences of the above-mentioned document was, that Akbar denied the doctrine of inspiration, the minacles of the prophet, and a future life in as far as it differed from transmit gration. The formula, 'There is no God, but God, and Mahammad

s pis biopliet, was, in 1579, openly changed to There is no God

But as this

but God, and Alchar is God's representative on earth!

Akbai's contined to expect a great teligious change.

the more inclined to expect a great ieligious change court at Eatlipur Sikri; and the decrease of faith on earth made people Dak'bin, or the Sunnis of Bukhará, and at last to the Hinduizing the Tunks of the north of Persia had driven to the Shi'ntic langs of the spread, chiefly through Persian adventurers, whom the conquest by agreed that the Islam had lost its lustie, everywhere heretical notions and Persia during 1577, filled the minds of all with great fear A great comet which was visible in Ludia notious of men of science Settlements over India and Perera, and strited up the old inshioned World, or the jahan 1 nau, had spiend from Gon and the Portuguese the Islam on a firm basis . The news of the discovery of the New to be followed by the advent of Chirst, who is to re-establish when the faithiul were sew on earth His appearance is immediately Makali, who, according to the belief, was to appear in the latter days, 1590-91 Rumouts were widely spread of the appearance of Imam and all looked with auxiety to the year 1000 of the Highl, or A D people in spiritual matters. The Islam approached the Millemum, Several circumstances confirmed Alchai in his plan of guiding the

was Shaikh Mubank, who had first put the idea of Mushahakap into Akban's heart, it was his son, Abuliazh, who convinced the emperor of the divine night of kings of infing as God's representatives on earth, and of being the leaders of the nation in political and spiritual and communicated by God to kings independent of other men. This light teaches kings to understand the spirit of the age, and to regard light teaches kings to understand the spirit of the age, and to regard had performance of their duty as an act of divine noiship. Men will that performance of their duty as an act of divine noiship. Men will secterian differences will wanish. Let the nation tally round Akban, and they shall escape the vanish. Let the nation tally round Akban, and they shall escape the perplexities of this lite by worshipping God in obeying the king.

ust houses glidis) or sold as slaves, or, according to Badáoni, exchanged for Q mda--injust also of them were exiled, or deprived of their justices of their respectives. abolislied, after it lind been temporarily revived in 1575 A large madan kings are enjoined by the Qoian to levy on all infidicle, to the palace Iu the same year, the jazyah, or tax nhich Muhamformula of the new ereed gave much ofience, it nas at first restricted

They were required to be ready to sacrifice on his rus queorbjes The first order which he issued, defined the limits of obedience of In 1580, Alchar appears more distinctly as the head of a new creed

The courtiers were ordered to shave off their beutle enforced the syldah, or prostration, which the Muliaminidan law In 1582, the era of the Higal was discontinued Albar likenise honour, then old belief account four things, viz, then property, then life, then personal

to sacrifiee property and life, honor and belier and I hereby join the teligion of Slish Akbar, to whom I am willing phases, whether broad or ingh, which I have witnessed in iny parents, that I have freely and checitully renounced the Islâm, in all its papers read as tollows 'I, such a one, the son of such a one, declare Faith, as Abkar was God's representative on earth The confession bers handed over Adultach, who now was the Mintabud of the Divine Witten formulæ of confession came into use, which intending mem-Playing at diee also was allowed The use of beet mas forbidden sale of wine was allowed, and a moderate dimhing of n me approved zaminbos, or lissing the ground Even Badsom performed it to it, especially when the offensive word siften was changed to also gave at first much offenee, the courtiers got gradually accustomed looks upon as belonging to God, and not to man, and though this order

mairy before the age of sixteen, and no gul before fourteen. The of such maniages was, as a tule, nealthy do young man nas to consins or still nearer relations was interdicted, because the on-pring i of the tiger and the wild boar was declared lawful . Marriage with first te prepare a great dinner to the poor during their living of seasons of the first forbidden to make tersts in honor of a dead person, they nere cusomed Pigs and dogs were declared ceremonally pure Disciples were Several ablutions commanded by the Muhammadan lan nere abolishIn the same year the constress urged Akbar to use the sword, an order to propagate his new faith, and referred to the success of the Qafawi kings of Persia, who had firmly established the Shi'itto form of

This year the Shah has been raised to the dignity of a propher, "This year, if God's will be done, he will be made a god."

Mew Creed, alludes to a possible apotheosis. He says in a qaçidah —

"If you wish to know the right path, as I now know it, Remember that, without the Shah, you cannot know it Know Abbar, and you will know God"

- i'sdur s ni

The frequent repetition of the formula, 'Allahu Akbar' was intiodaced as a religious exercise. This formula had been used as far back as 1575, on coins, in the commencement of grants, farméns, and as a heading in books, letters, &c. It recommended itself to Akbar for its ambiguity; for it may mean, 'God is great,' or 'Akbar is God' Faizi, the court poet, openly acknowledged Akbar to be God Some of his poems are very clear on this point. Thus he says

readed the first tines caliphs, which they look upon as meritorious. any married woman, whom he liked. The Shi'shs at the same time allowed the inithful only iour, he had claimed the right of possessing he belonged, he had maired fourteen wives, mostly widows, and robber, and plundered the caravans of the titbe of Quiash, to which Thus they said, the prophet had openly irred as a highway stories about him, which Akbar received as so many presents made cirticized, and the courtiers vied with each other in relating damaging torm the subjects of education. The life of the prophet was openly History, Airchmetic and Geometry, Literature and Astronomy were to Philosophy, the Qorán and Muhammadan lavy was prohibited study of Arabic was ordered to be discontinued, and the reading of were rouved, All feasts of the Pársí calendar were introduced of the year were made Solar, and the old Parsi names of the months established, which commenced from Akbar's accession. The months Makka were interdicted A new era, called the Divine Hig, was prayers of the Islam, the fast of the Ramazán, and the pilgrimage to wearing of silk appaiel at the time of prayer was permitted The

the Islain by means of the sword But Akbar was too nise to attempt family to distress by plundering their mosques, or withdrawing their grants, or exiling them

The Azán, or call to prayer, was discontinued at court, and the word Muhammad was forbidden to be used in names. Translations from Sanserrt, which had first been commenced in 1573, were eagerly pushed on The Atharban, Ramáyan, Mahábhárat, Lilawati, and the History of Kashmir, neve

names was ordered as a means of spiritual blessings. Akbat said one Sanserit names of the sun neve collected and the reading or these brought into the balls of the Palace. In 1563, one thousand and deen given that all courties should rise, n hen the caudics were greatest Peisian Dictionary of India In 1580, the order hid Parsi we also owe the preservation of many Zand words in the metineted the emperor in the old rites of the Parsis Ardsher, whom Akbar at great expense had brought from Persia, placed under the eate of Abultaal A Parsi priest of the name of Gujrát, and a fite temple had been built in Pathpár Sikrí, n liteli nas of the batem During 1579, some Paists had come from Kausari in part in the hom, a kind of fire-noiship practised by the Hindu nomen at court since 1579, whilst Akbar, from his early youth, had taken at sunset, and at midnight Sun-worship had been openly practised Prayers were to be addressed to the Sun in the morning, at noon, meat altogether Rules of worship for the Divine Faith were issued. (çúfydinah) from year to year, with the view of gradually giving up than half the number of days in the year, and increased the tast days the whole empire Akbar himself abstained from meat for more This order, according to Abuliazl and Badáoni, was extended over was born, and several other days, in order to please the Hindus. Akbai's year, the whole month of Abán (October), in which Akbar of the month of Farwardin (Febiuary-Maich), the first month of day being sacted to the Sun, as also during the first eighteen days In 1583, the killing of animals on Sundays was interdicted, this translated into Pergian Ramayan, Mahabharat, Lilawati, and the Uistory of Kashmir, nere

them every morning after sumrise, assisted by a Bialimin, and then showed himself to the multitudes that daily cronded round the palace

posed The emperor also appeared in public with the mails which played hymns, a large number of which Akbai had himself compiayeis was announced by bells and gongs, and the imperial band and prostrated themselves on his appearance. The time of the four

madans, and another for Jogis, who promised Akbai that he should live Several eating-houses were erected for poor Hindus and Muhamtowns were sequestered, as tending to give offence to the Hindus and into houses for Hindu chaukidáis The cemetites within the The mosques being now useless, were changed into store-rooms, Hindus put on the forehead

poet of the sixth century. found among the poems of Magne-1-Khustau, a free-thinking Persian dictions of the man of the Millenium, which they said they had who would honour cows and Brahmins, and the courtiers brought prejooking manuscripts, containing prophecies regaiding a great king dis teal form They drought at the same time proofs from antique pe only played with the people of the world by delaying to assume sunded the ensperor, that he was an incarnated derty, and said that thies or four times as long as ordinary men. The Brahmins per-

and boys were then to decide for themselves. No member of the testitction Circumcision was forbidden before the age of twelve, did so irrely, but soon after Suttee, was again permitted without should not be buint together with their dead husbands, except they of buffaloes, sheep, horses and camels was forbidden. Hindu women Arabic was prohibited throughout the empire. In 1590, the meat proper, as Makkah lies west of India In the same year the study of position which every Muhammadan in India considers highly imconities commenced even to sleep with their teet towards the west, a People should be busied with then feet placed towards the west, and the Hindu judges were also appointed to hear all cases between Hindus. people of God and of Akba, whose full name was Jalaluddin Akbar the other reply, 'Jalla Jaláluhu' (great is his glory) 'This was to remind salám, taslím, bandagi, &c, but one should say, 'Alláhu Akbar, and Disciples, on meeting each other, should not use old salutations as except in cases of dailedness Widows were allowed to mairy again. 1587, Akbar ordered, that his disciples should only marry one wife, In 1585, the conversions to the Divine Faith were numerous uŢ

Divine Faith was to eat or drink nith butchers, fishermen, and bird-

In 1593, Alebai proclaimed perfect toleration, and advised all those to catchers, on pain of having his hand ent off

nkeness, round n lich the following words nere written lifted him up, replaced the turban on his head, and gave him his He then put his head on the feet of the emperor After this, Akhai The candidate approached the emperor with his tindan in liis hand of now members The mitiation took place on Sundays, at moon Abulfazl, in the Kin, gives an account of the ceremony of initiation return to then old religion who, from pressure, lad embraced Islam

The emperor's likeness, which was called shact, or aim, was norn The pure arm and the pure sight never err

gracosca questing him to breathe upon the witer Such nates bended all siek people continually bionglit cups of witer to the emperor, iesecretly smiled at the simplicity or the people. It is ecitari that the vulgar would have them, but that both Alban and he him-elf Alchai was obliged to pretend to possess initiacilous poners, because But in another passage of the Ain, Abultarl says very elegily that "On such occasions," says Adultizl, "the eyes of many nere opened." heal his tongue, Before it was evening, his tongue was healed vinced that Akbar nould be intorined by God of his condition, and throwing it at the threshold of the palace, eat down on the road, conanother occasion, a faqir had cut off a piece of his tongue, and after when it suddenly became as tame as a dog and followed lim leopaid had fallen into a pit, Akbai took out the aninal limiselt, spurious gospel of Christ's Childhood On one occasion, a vild when he was young, as Christ did, according to the Ooran and the of witting a book on Akdai's mindes Aldai is said to have spoken anick enough in supplying the minacles. Adultive intention As Alchai ultimately delieved that he mas god, his conitiers nere by members on then turbans

please them, Akban in 1579 allowed his second son Murad to take toti lobi ur er und nogu bostool goll oith oith bun une out ot on Akban, who would not allow any one to intertere with his protes-Madonnrs, but they contess that then preaching made no impression From the Roman Catholic Missionaries, Akbar accepted ernein/cs and

MARGE

Merciful, was taught to saythe Muhammadan formula, In the name of God the Clement and young prince, instead of saying in the commencement of his lesson a few lessons in Christianity, 'by way of anspiciousness,' and the

() thou whose names are Jesus and Christ!) As nam tu Jesus o Karisto,

The iollowing were members — Hindus conveited to the Islam" members of the Divine Eaith, Badkoni says. "They behaved like though Akbar tired hard to convert them Of the Muhammadan wán Dás, Rájah Todar Mall, and Rájah Mán Singh temained stannch, he did so in ely in the case of Muhammadans The old Rajah Bhagapromoted Hindus on decoming members of the Divine Frith, though may have been a few Hindus, decause Badkoul mentions that Akbai Hindu member is mentioned, either by Abulfazl or Badáoní of Bir Bar, who was a man of profligate habits, the name of no With the exception Akbat's disciples were chiefly Muhammadans

- 'I Abulfazi.
- .2 Faizi, his diother, Akbar's court-poet
- g Shaikh Mubárik, of Mágoi, their father
- Ŧ Jaliar Beg Agaf Khán, of Qazwin, a lustoman and poet.
- G Qasun 1 Kabi, a poet
- Abducçamad, Akbar's court-painter, also a poet .0
- from Makkah, A'zam Khán Kokah, Akbat's foster biothei, aitei dis retuin L
- 8 Mullá Sháh Muhammad of Shábábád, a historian.
- Luff Ahmad **'**6
- Çadı Jahán, the crovn-lawyer, and his two sous 77 01 OI
- Mir Sharif of Amul, Akbar's apostle for Bengal. TR'
- Sultan Khwajah, a çadı ŦŢ.
- GI Mirza Jani, chief of Thathah
- Tagi of Shustan, a poet and commander of two hundred 91
- LI Sharkhzadah Gosálah of Banáras

the greater part of Abultazl's Ain was completed

- Bu Bar **ST**
- Badáoni's History ends with 1595, and in the next year mulgated, our information regarding the Divine Faith gradually From the year 1593, when the law of perfect toleration was pro-

STOLIULKA,

Nicht the death of the emperor in 1605, the Divine Faith died out. Alchai, relying solely on his influence and example, had established no proper person for propagating his faith. If we except the influence which his spirit of toleration overted, the masses remained passive. Sealous members, as Mir Shaiff of Amul, took again to sophistry, as Jahángir did not trouble himself about any religion. The new Emperor retained Alchar's Solar Era, and shews in the phraseology of his memoris much reverence to solar woiship. But during his reign, the spirit of toleration soon changed to indifference, and gradually died out, when a reaction in favour of bigotry and persecution set in under Aurangzeb. But people still talked of the Divine Faith in 1643, when the author of the Davine still talked of the Divine Faith in 1643, when the author of the Davistan collected his notes on Alchar's religion.

IV — Wotes from Assaloo, Worth Cachar, on the Great Earthquake of January 10th, 1869, by Captain Godwin-Austry, F. R. G. S., Surveyor, Topographical Survey of India,—communicated by Du.

[Received 25th February, 1869—Read 3rd March, 1869]

only a quarter of an hour's continuance enounces The imagination palls before a serious disturbance of eay words, that the intervals or time between great couvulsions are so seldom in their full force last longer, or perliaps to put it in other 15 the seene, and thankind may we be, in these days, that they watch the progress of such mighty efforts for 60 seconds only! terrible our feet, giving to the erust of solid strata an ommone plasficity the passage of such mighty earth-waves, as have lately flowed under changes brought more vividly to the mind of man, than when viewing and left it in its present form to us At no time are such past past epochs laid waste and altered the vibole face of this globe, consecuent aequaintance with those terrible convulsious, which in more especially by those with any taste or knowledge of geology, and to the great interest taken in such phenomena by every one, and during the late period of seismic distuibance (still in action), owing I have been led to put together these few notes, taken here

The earthquake here, though so violent, duist upon us without the slightest warning, a very unusual ocentrence, as a rumbling more

or less loud is generally heard a few seconds before. In nearly all earthquakes, I have myself felt, such has been the case, and nowhere are such sounds heard with greater distinctness, than when on the summit of a high peak in the midst of a mountainous country, where all the world is in perfect quiet around. The low immble is then heard ior a considerable time before the earth below receives the shock. As many persons believe, and are of opinion that seismic disturbance is connected with atmospheric phenomena, noticeable long before the former force is exerted. I shall in this paper be particular,—though it may appear is exerted. I shall in this paper be particular,—though it may appear to some, adding unnecessarily to its length—and allude to the afternoone, the day in question, the 10th January, 1869.

whole of the western houseon was shewing clear endeavouring to scan, was sharply defined against the sky, and the clearness that had taken place in the air, the 11dge I had been looking in the same direction again, I was suiprised at the sudden the outline of the ridge Immediately after the eartliquake, on purpose, but it was so hazy that I gave up the hope of seeing even range some 20 miles distant, I had got out my telescope for the took place, wanting to make out a Trigonometrical mark on a hilldid notice, and it is remarkable a few seconds before the eaithquake place, or rather duing its continuance. There was one thing I and magnetic forces would be greatly agitated, after it has taken and temperature is almost certain, and I can innagine, that electrical surface. That the action of an earthquake affects the atmosphere but little connection with forces acting so far below the earth's about the appearance of either the sky or the weather, these can have rising up to 6,000. There was certainly nothing unusual or peculiar is 3,000 feet above sea level, and near the base of a range with peaks remembered by those unacquanted with this locality, that the height gradually up to about 4-30, blew gustly and cold. It must be unusual in these hills at this time of year. The wind about 3 p u 1050 The day, like 3 or 4 previous ones, had been rather hazy, not at all

The earthquake was ushered in by one or two long waves of motion, these I estimate from the time noted by the chronometer before the shock was quite over, in about 20 seconds they were succeeded by others much higher and following in rapid succession, and this was the time of greatest agricult of the surface, followed by great quiet rolling

The seene nas most awe-inspiring, and the technic metilled "what or two others, who remained standing, could keep on our legs duals sat down, and it was with the greatest difficulty, that I and one the trees, this last sound I liend above that in the eamp Most indiviground below, mingled with the noise eaused by the surging of There was a confused dun from the loosened fell the next day down with a erash, and another the roots of winch had been much waves, from side to side, with great violence, one laige one came large tiees in the foreground were seen swaying with the passing wild sight, it appeared as it swept by a inighty wind, and the gnificent forest growth, presented duing the earthquike a strange The Morth face of Mahadeo peak, clothed nith mabreak in the stratified 100ks, when this mountain system nas first Hills and into the Gaio Hills It marks the great bend and ultimately with the same great feature at the base of the Chena Poonjee marked conspicuously by the Jainga and Kayeng valleys, and Acxuse of the great unschual that runs thence towards the west, over southward some 40°-50° In tact Assaloo lies on the northern line of elevation, the whole mass being here tilted up and dipping on the line of the North Caeliar Hills as well as on the principal well known and conspicuous peak of Mahadeo, 5,751 teet, this is of our eamp dele is on the principal northern sput thiown off by the fell, but its parts seemed to shift about each in segments The position force, a kind of jerking from side to side, the surface not only rose and zontal undulating motion, was decidedly combined with another nutes, between this and the second well-defined shock tainly instability in the ground nearly the whole of the interval, 10 iuisave tiemot, had disappeared in about 2½ minutes Yet there was certell without the aid of an instiument when the motion eeased, but all, or heaving, without any jarring motion, it nas, honever, impossible to

may happen next?"

As might be expected, very great difference of opinion existed among persons in eamp as to the direction whence the shock eime and proceeded, some even stating the very reverse of the true direction. There is very little doubt that the direction was non west to east, the noise and motion in the trees certainly subsided and presed out to the east. A lichtioper with 2 men, on the top or

by the falling rocks when standing by the water-course men out-poling, found the body of a fine stag, that had been killed great; tavines choked with rock and debris, and one party of my had quieted down with him. The effects upon these hills are very of falling rock was very loud, and continued long after the eath nearer at hand and on the East heaving about, and that the noise hills in Munipur, tells me that he could see the Mountain Peaks Maliadeo, whence the view is most commanding over the sea of

On the Diyung, its effect seems to have been very severe; the high

thiown over. houses, etiuctures of poles and matting were in many instances into the river, the ground along the valley was much bent and the eteep danks of secent clays and sand gave way in many places, falling

towards Marangkar peak, situated W M from his station. thiown backwards He distinctly says the motion passed away hold of the lieltotrope, but that the motion was so great, he was rumbling coming from the east, and when he felt it, he caught some 30 or 40 miles distant. Before the shock came on, he heard the the sound of a distant cannon (tope was the word used), as if hred says that about 15 or 20 minutes before the shock, he head still, and he was likely to hear and notice any peculiar sound east ready in case he was required to shew to Mahadeo, all was binzelf, sitting at the station mailt with his heliotrope, facing mau's account, is most interesting. He was on the peak by Cachar range, and is one of its culminating points, 5,612 feet. This on the 10th, this peak is also like Mahadeo, situated on the Moith due west of this place another helitroper of this survey was stationed On the peak of Sherfaisip (a trigonometrical station) 264 miles almost

endeavour to shew de connect, that the mitial force exerted by this diminishing on eithei side, If my supposition, and what I shall it must resolve itself into a line of initial iupture, the intensity have, or inther I have, no means of ascertaining with exactness, but How far this line would extend to the northward and southward, we westward, this places the divergence of the forces between the two. at the first the waves were travelling eastward, at the second 26 miles apart, stuated nearly due east and west of each other; Here we have, it is most interesting to find, two well selected points

carthquake lies upon a definable line, and not upon a centre, and that the wayes of motion imparted to the earth's crust travelled away on both sides at right angles to that line of dislocation (if ne may call to out,) it is not to be expected that such a rupture would be countied to a straight line, it would be more or less divergent at dimerence on the surface in might even binusate at any point on its course, and the effect on the surface inight great seventy. It must be, however, expected, that near the line, and particularly at the point where the distuibance is excessive, the direction would be undulations of the surface might merely is callopping sea, or the undulations of the surface might merely is a callopping sea, or the part very little housened might metely is and fall vertically, with and the very little housened maght motion to any particular point of the com-

From all the accounts that have reached me from distant quarters, —and I have but very few details as 3 et to work on,—Silchar seeins to have felt its force more than any other place. I read in the Englishman that Nowgong suffered much, while Gouhatty in a much less degree. Again, a correspondent in Chittagong who appears to have been in a very favorable position for observation of what took place, states that the waves were travelling east with slight northeory direction, this would place the motion at right angles to a line south of Cachai, to the west of his position. The direction noted by all Lafont in Calcutts, was an east and west one, not from a central spot, say Cachai, but from a line drawn south-south nesterly irom that place into Tipperah Hills. It will be interesting to discover the direction place into Tipperah Hills.

At the junction of the Dryúng and Kopoli they were travelling castward and the shock was very severe indeed, in the Khasi Hills from the X Eastward, * in the Gaio Hills† from X E to S IV, at Golaghat† it was from the Maga Hills , e the south-next, at Lukhimpoois from S IV In these tew instances, that I can now quote, the directions are not divergent from a centre, but from a line quote, the directions are not divergent from a centre, but itom a line or curve. Looking at a map of this part of India, it must be at or curve

tion of the earth-waves at Gowhatty and Movegoug

^{*} On Lat 25 10, Long 92-45 from the Lask † Englishman of January 25th, 1809

[‡] Englishman, January 27th, 1869.

apparent, how peculiarly Silchar is situated with respect to the neighbouring hill ranges. We find the N Cachai Hills running east and west on its noith, the low hills of the district itself, and those near the sources of Baiak and Eerung, almost due noith and south (or with their strike) on its eastern side. A closer acquaintance with the country on the north and at the base of the hills shews the great uniclinal flexure that exists there, while in the gorges, where the greater rivers from the interior find an exit, we see the magnitude and almost incomprehensible displacement of strata, east and west strikes altering to north and south in apparent inextricable confusion

I will now jetuin to what I have before brought to notice. viz, that on a point somewhere intermediate between Sheifaisip and Mahadeo peaks of the North Cachai range of hills, the earthwaves travelled ontwards east and west. On looking at a sketch of the ground, I was struck with the coincidence, that almost midway between the two peaks lies the remarkable gorge of the Jatinga, cutting diagonally through the strike of the outer mountain system. This gorge marks a great dislocation, and such a feature would as it were point to weak lines on the earth's crust, where when the subterranean forces are exerted, they will again be felt with greater seventy on the surface, and spread away on either side. Almost immediately opposite the goige of the Jatinga lies Silchai and the aiga that has suffered most The position with reference to the hills around, points to one of all others, where crushing and grinding together of the rocks would result on any motion being communicated from below to it and those neighbouring hill masses, and would result in upheaval of some spots and depression of others be compressed, causing water with sand or mud to be forced up through the lines of bedding in the strata, and through the alluvium to the surface, a phenomenon apparently noticed all over the more level country.

I have not myself been in, and examined the Zilahs near Cachai, but I lefer my readers to the Report of Mi Medlicott on the coal of Assam, with geological notes on the adjoining districts.* Pages 46,

4

tyre metamor placs

Retuining to the M Cachar Range near Longitude 92° 50' it is equally to de seen in many places. But this is entering on matter that 47 and 48 can be read now with inneh interest, the ernshing of the

sequently not seen again on the Diyting or other deep valleys till with all the super-imposed strata, and takes an easterly dip, and is conthrow of the Auminiulitie limestons which to the east bends over the Kopili also marks a great geological teature, namely, the up-This line of shales, that finally unite and form the Kopili rivei through the mass of but slightly inclined Teitiary sandstones and anteresting and iounaikable, to find on the north, several deep guiges would require much local obserration and knowledge and often quite hidden with unstintified conglomeinte and gravel, will account for the detached bills of highly inclined strata, cipped towards slaping the present tines or the surface, and particularly neaval has played a considerable part in recent goological times miles to the west, it would appear as it local displacement by upskirting the bills meluding the country near Sylhet for many gut to some long past consulatous of this area. In 11st nom Silcher Katiguinli lill and its anomalous composition, probably ones its oitrocks near Silehai is pronuncutly noticed, the dome-like shipe of

get, and must be made the most of, and only by the accoundated data will be that supplied by natives it is raliable. It is all ne can barily to be made at numerous places, and although much of such ter for speculation and thought would result Luquities are necesby any one in Tipperali and Chittagong, that some interesting matshoek was noticed, and I am sure it like intoiniation can be collected sliewing nith attows the exact position nhere the direction of the

Kopoli, and with the up-throw of the stritthed toeks against, or on earned north of the man range des donn the viller of the mean time I eannot but think that the line or origin of the di-turb mee information from numerous other points near this valled, and in the quake nith them travelled east. Liuly expect to receive in time evidence of the people of the Naga village of Chinam, that the entil-

besenung pot edings, with very digh temperature elose to the further east Ou this line or upheaval or the limestone no find

Approaching nearer the valley or the Kopoli, I have the

I hope to be able to illustrate this by a map,

data of each succeeding convulsion, can we hope to become better acquainted with the forces and action of such phenomena

The first shock after the great earthquake was not severe, the motion being very quiet and swaying, no shaking whatever. The second was a very peculiar vertical motion, a regular thump from below, followed by another precisely similar in 20 seconds. The greatest number of shocks occurred between 6 P M and 8 P. M, that at 6-32 lasting a minute. A very gentle motion and tremor occurred about 6 P M The hoolooks who had long retired to rest were evidently disturbed by the shocks, and were heard in the forest close by —After this date, the most decided shock was on the 14th January at 3-30 in the morning, and another on the 17th was also severe,—two distinct waves at about 12 P. M.

Very noteworthy is the distant report of a heavy gun on the 19th January, heard towards the west at 1-49-19 p m, the time I took immediately by chronometer as I fully expected a shock to follow. Another very loud explosion was heard from Mahadeo peak at midnight of the 29th, and again from the same peak, at 7 A m. next morning the 30th, but no shock came after, on either occasion I may here mention that last cold weather, on several occasions, when I was in the North Cachar Hills I heard at various times, the like distant reports, resembling exactly the firing of big guns at a great distance. In one or two places the country people had noticed it, and they even used the expression that it proceeded from the earth These subterranean explosions must be heard over large areas, and it would be interesting if they could be noted, or rather if those hearing them, would make the matter public, I have no doubt there are many individuals who will remember having heard such sounds

During the whole period of disturbance here, it is my belief that the ground has scaledly been in perfect rest, for any continuous length of time, certainly up to the 20th, and that a seismometer would have recorded many a movement imperceptible to the senses. When observing with a 12-inch theodolite at Mahadeo, the instrument has been repeatedly thrown out of adjustment and the exact time and motion unknown, and unperceived, save by the alteration of level. On one perceptible shock, the ground was trembling long after we had ceased to feel it. This the bubble shewed for quite 2 minutes and when

which day the last took place

set east and west, kept shrifting regularly by jerks about I degree of the scale Regalding levels of the country, in one so mountain-ous and covered with forest, only very great displacements could meet with observation, in the plants of Cachar and Sylhet they appear to have been great, and there they would be peculiarly easy of observation in the beds of streams, &c It would appear to have affected streams a good deal and to have caused a rise in them. The small stream west of Assaloo increased considerably afterwards, and was of course ford at Pani Ghat much deeper by more than a loot on their retuin, and they re-crossed it 6 days after the first great shock, they said also that all minor streams had more water in them. In the table attachted, I give all the shocks recorded here up to the 2nd February, on ed, I give all the shocks recorded here up to the 2nd February, on

The Magns about here do not semember any easthquake like the present, but have some tradition of former disturbances, many years ago They all say that the crops will be particularly fine this year, and believe it will be due to the vibitation,—a parallel to the good vintage of the comet , ear

approximate.	:	•			20	E E		
strong. Th	:	5		:		- 12		
	:	. co	:	:	31			
Fooblo	:	100	:	:	28		_	
Vory slight.	:		<u>-</u>	:	_	1 12		
	:	9	_	:			_	
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		0		47	11	<u>نز</u> ~	9th	
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Deerdod quivor	:	တ	•	47	41	7th (7	
) Endod	:		:		33	: 		
) Lastod quito 60", goutlo undulating motion and tromor continuous	80	22	:		32	6th (
	10	14	:		8	5th (<u> </u>	
Ditto ditto ditto. \ \ stignish	20		:		54	4th 1	-4	
Shook a jump, motion voitionl Those two wore of exactly the same intensity and	20	6	:	47	53	đ.	3rd	
ing olitonomotor at timo			_				_	
Interval from 1st shock, lasted 4 or 5 seconds, metron undulating, not very severe, watch-	10	10	:	27		2nd	1 9.	
Timo it lasted, but the Earth continued in a tremer for some time even after this	80	N			_			
Ponted of greatest intensity. Direction from W by N to E by South.	20	:	:					
with Pompreton's Chionometer, No. 168				_		_		
Commonomont as near as it could be, estimated from time noted during its continuance		:	<u> </u>	47	<u> </u>		h 1st	10th
13th, and its rate by several subsequent observations—Time noted with watch, corrected with observations—Time noted with watch, corrected	20	Ħ	岡	ğ	 	No. П	Dato.	Dα
	lls.	Intervals	H H					
Table exhibiting the shocks of Earthquakes on 10th January, 1869, and following dates, at Assaloo, Lat. 25° Long 98°	rthqu	f Eas	cks o	ic sho	ng tl	exhibit.	Tablo	

9 48 30 2 23 10 45 11 48 34 51 11 51 8 12 (11 50) 13 (12 0) 54		Vory slight,		•		0 19	60	p m	2µd
9 48 30 2 23 10 45 4 34 51 11 51 8 17 48 23 	by sovoial	and was distinct, and noticed by so					<u>oc</u>		¥
9 48 30 2 23 30 10 45	Amother remorted his nutrivos occurred about 5 30 a	Shock voly marked	:	•	_			E	18t
9 48 30 2 23 30 10 45	no a shook was felt in ownp at the base of the mountain	out of lovel, thus was the time a s					·		# 6
9 48 30 28 30 11 48 30 1 48 30 1 48 31 21 1 48 28 30 1 48 30 1	sorving angles this day on Mahadee peak. Level of the was thrown out in voly unaccountable manner in the war.	Slight shock folt in oning Obsorving instrument 12". Theodolito was t	-		<u> </u>	<u> </u>	(H)		31st
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9 48 30 10 45 10 45 11 51 8 1 48 23 1		Latitudo 25º Longitudo 93º		•		<u>:</u>		prur	29th
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9 48 30 . Ditto 2 23 Ifolt at Mahadoo slight Earth in tromor for a long timo after it was folt, as tho by the bubble of Thoodelite, which was at the time levelled for vertical readings of the bubble of Thoodelite, which was at the time levelled for vertical readings of the time levelled for vertical readings of the time levelled for the standard of the standa		About this hour, very slight		•	_		4	o, m.	Sist
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9 48 30 Ditto	7			_		_	10	p. m.	13th
				<u> </u>	_	_	9 4	e E	2
6 16		Slight	•	_			6 1	8	12th
9 25	all slight compared with those that took place before.	. With sovoral during the night, all sli	<u>-</u>	<u>-</u>	:	_	9 2	m d	11th

Upon the invitation of the Piesident, Mi Leonard gave a short account of his recent visit to Cachai He stated that the reports regarding the severity of the earthquake, and especially as to its action in impuring the earth, were considerably exaggerated; early reports were decidedly so, most people being so much surprised and alaimed by the shock and its results, that they seemed to be incapacitated at the time for making anything like accurate observations, and hence very great caution should be observed in accepting information as to the intensity of the shock, or as to the direction of the wave. He could vonch for the fact, that highly exaggerated and most incorrect accounts had been received by himself on the subject

Regarding the point of greatest intensity, he was first inclined to think it was about Silchar, or even more to the west, but since he returned from Cachar, he had an opportunity of seeing a letter from Doctor Brown, the resident at Manipoor, whose account seems to show that the shock had been as severe at Manipoor as in Silchar To the south of Silchar the shock—judging by the land slips caused—seems to have been felt less than in the station, and to the northwest along the road to Cheera Poonjee, for instance, the effects were decidedly less

There was great difficulty in deciding, from the observation of facts, the direction of the wave. Statements of individuals were generally to the effect, that the movement was from about the sonth. The church tower fell to the north but an unfinished building of Messrs Snells, which consisted almost entirely of unsupported pillars, was thrown down in all directions; the pillars were free to fall in any direction and they really fell to all four points of the compass. Mr. Leonard said, it might be worth noting that houses, with the ordinary Indian flat roof all stood, while most of those with roofs which did not give support to the walls were thrown down or damaged

He stated that the photographs of damages done by the earthquake, were calculated to give an exaggerated idea of the extent of disturbance of the earth. The disturbances in every case which he had seen, were caused by the shipping in of the banks of the large rivers, or of old river beds, or partially filled up jheels; though he had travelled through the disturbed district for over one hundred and fifty miles, he had not seen a single case of disturbance or fracture of solid ground, unaffected by rivers or jheels running through it. Many of the slips along the river banks were very extensive, in some cases being con-

tinnions for half a mile in length, from five limitied to fitteen limitied feet in width, and the depths of the depression varied from a feer teet to thinty feet. Very large quantities of sand and water were thin on up, but he considered that in every ease the foreing up of the semiliquid matter was due to subsidence of the firm ground above

Mir. Leonard stated that the great majority of people said that the vates thrown up was eool, a few, however, stated that it was decidedly warm, generally the evidence went to show that it was very little if st all warmer than ordinary water However as Dr Oldham had gone over the ground with the special object of studying the rhole question, there can be no doubt that we shall soon be in possession of the best collection of facts, and the soundest deductions from them

which it is possible to supply

The President remarked upon the general interest attached to the observations of earthquakes, and expressed the hope that we may get

observations of earthquakes, and expressed the hope that we may get more information on the subject

Di Stoliezka said that, it there were a distinct stratum of sand below

the layers of surface elay or sorl, the throwing up of sand and "rater, which during former enthquakes (as that of Lisbon) had attracted so much attention, would be very easily explained. It is almost a natural consequence that, as soon as the fissures in the surface were formed, the slightest undulating motion (which it partially must have been), would shift and throw up the loosened sand, the force with which it was brought up to the surface, would, however, depend much which it was brought up to the surface, mould, however, depend upon the local pressure under which the sand and the water stood

his H, F Blanford mentioned that he had also obtained in many instances contradictory reports Up to this time he are perfectly anable to form a correct idea as to the velocity with which the nater appears to be remarkable. In one case, he was informed that the nater appears to came up through one of the fiscarcs had a temperature 9 degrees higher than the annual mean temperature of the locality. This increase was, however, more likely the result of chemical agents, as for instance, decomposition of organic substances &c, than to the great depth from which it had been supposed to liare come up

Mi Leonard remarked that local pressure upon the underlying strata had also to be taken in recount, in cases where in increase of the temperature of the water had taken place

V,—Onnihological notes, chiefly on some birds of Central, Western

and Southern India, by W. T. Blanford, E. G. S., C. M. Z. S.

(Abstract.)

gretted that he had not taken more complete notes of seeing the fauna of different parts of the country, and he only rewhen travelling about India on the duties of the Geological Survey, Mr Blanford had rather favorable opportunities, by Dr Jerdon, additional data were required, especially concerning concerning them In several instances, many of them pointed out facilitated, and it became now an object to complete the information Zoology ever printed, the study of Ludian binds had been very greatly invaluable work, by far the most important publication on Indian less known birds of India Since the publication of Di. Jerdon's chiefly of notes on the distribution, breeding, and habits of some of the time of the meeting by seading the paper in detail, it consisted . Mr. W. T. Blanford said that it was unnecessary to take up the

have been recorded occur, but probably only as stragglers, as neither appears hitherto to or of Aallinago stenura in Central or Western India They might hand, Mr. Blanford had never seen a specimen of Circus melanoleucos south, not one of which has been met with in Bengal Emberiza Huttone were all found at Magpur, or at Chanda still further way Saxicola opistholeuca and S atrogularis, Circus cyaneus and with at Magpur, while the European E pas sa abounded. In the same red-breasted fly-catcher of Bengal, Erglin osterna leacura, was not met and restricting it to the Cis-Gangetic Peninsula. Thus the common not in that in which it is equally generally misunderstood in Europe, India in the way in which it is generally understood in India, and migratory birds of Eastern and Western India, employing the name recorded on the differences between both the migratory and nonhe had been able to add several additional observations to those already As an instance of the interest of the subject, he would point out that

Nerbudda and Taptee vallies Mr. Blanford had been throughout Osmotreron appear to be found in the great forests of the Lower Thus neither Carpophaga sylvatica, nor any species of Malay forms, do not appear to have so wide a range as is generally Some of the non-migratory birds also, especially those which are

spilonota, Hirundo stuvicola and Cyornis Tickellia Some of the buds noticed were of great variety, such as Salpon nis saw both near Stronelia on the Godavery, and both wore tound in Ottsa. with either of these pigeons in the great woods neal Chanda, while he addition to a jungle dinner, if he came across it Neither did he meet buds in general, he would certainly have killed such an execllent a bud as the Imperial pugeon, for even had he not been looking for these forests, and could scateely have overlooked so very conspicuous

of a hosouppus shied bin estings of Reprize and burdinessal - IV

species of water snakes, closely alited to Ferania of the Homeior which Eitzinger suggested the name Peanmosaurus A new Varanus lunalus, and which belongs to the group of land-Varant description is given of a species which appears closely allied to collected near Agra, and which he supposes to be new A detailed mostly contains the descriptions of species which Mr Cailley! Dr Stoliezka said that the paper, which is of considerable length, new to the Indian faiths, by A E Carlery, Esq (Abstract)

Dr Jerdon in his fortheoming work on the Indian Repules watersnakes was found in the river Jumna, and is being described by wase of the former one, accompany the description. This species of LOPSIDE, is also deserbed, and photograms of this species, as like-

Further, descriptions are given of two large eagles, one of n liteli at least may prove to be a plumage variety of the Dukhanensis or personata bourhood of Oaleutta, the other a Motacilla (shot at Agra) nineli a small water-lien, probably a species of Porzana, from the neigh-Of builds, four species are noticeed, all supposed to be new, one is

possible to pronounce an opinion upon several of the supposed novelties. ings of all the species, and until these have arrived, it would be un-Mr. Carlleyl hopes that he will be able to supply accurate drawseems closely allied to, or identical with, Aquila imperialis

The following additions have been made to the Library since the PARTAIN

Presentations.

last meeting, lield in Febiuary

John and Asiatique, No 45 -The Asiatic Society of Piblis *** Names of Donors in Capitals

The Anthropological Review, No. 24, -The Azthropological

Bulletin de la Société de Géographie, October, No 21, Vol. XVI -SOCIETY OF LOYDON,

Mictheilungen der K Geographischen Gesellschaft in Wien-THE GEOGRAPHICAL SOCIETY OF PARIS.

THE GEOGRAPHICAL SOCIETY OF VIENTA

Pubblicazioni del Circolo Geografico Italiano, fasc I.—The Grocki-

PHICAL SOCIETY OF TURIN

nontuk auT- 19d9W A nov nelieitle edizibul

Alloquium Latinum ad Indicatum Academiatum Cancellarros, scrip-Uber die Kiishna Janmashtami von A Weber -- The Author,

tum a Lingam Lakslimanji Pandito -The Autuor.

The Calcutta Journal of Medicine, No 12 -The Editore.

Memoirs of the Geological Survey of India, Vol VI. Part 3 -THE

Records of the Geological Survey of India, Vol. II Part I -THE SUPERINTENDENT OF THE GEOLOGICAL SURVEY,

Report of the Committee of the Bengal Chamber of Commerce for SYME,

Minutes of the Trustees, Indian Museum, for September, 1866, to 1868 —Тне Вихель Силлева от Соллевсе.

Maich, 1868.—The Government of Bengal

Luchase,

Revue et Magasin de Zoologie, Mo. 11, 1868. Revue des Deux Mondes, December, 1868, and January, 1869. Revue Archeologique, XII. 1868.

Journal des Savants, November, 1868

Comptes Rendus, Nos 18 to 24, 1868

The American Journal of Science and Arts, No 138

The Annals and Magazine of Matural History, No XIII Vol 3.

The Westminster Review, January, 1869

Gramm's Deutsches Worterbuch, Vol IV Part 2 and Vol V. Gunther's Zoological Records, Vol 1V.

Part I Reise der Osterreichischen Fregatte Novara, Zoologrscher Theil,

Simpson's India, Part 3 Lacordaire's Genera des Coléoptéres, Vol VIII

PROCEEDINGS

OF THE

ASIATIO SOCIETY OF BENGAL,

FOR APRIL, 1869.

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day the 7th metant, at 9 o'clock P u The Monthly General Meeting of the Society was held on Wednes-

T Oldham, Esq, LL D, President, in the chair

The minutes of the last meeting were read and confirmed

The receipt of the following presentations was announced—

T

From Babu Yadunatha Basu,—a Mahomedan copper com

From J Avdall, Esq ,-a Persian MS of Hafiz 7,

From W Stokes, Esq ,-A copy of "Knizer Abris, einer Laut-

lchie," von A Schleicher

mologie," von & Cartius, vol. I. From the same,—a copy of "Grandzuge der Griechischen Ety-

chee et du Manieheisme par M de Beausobre, 2 vols Liom the Rev J Long, A copy of 'Histoire eritique de Mani-

Social life From the same, -A copy of Kriloff's Fables, illustrating Russian

From the Commissioners of the Department of Agriculture,

From the same—A copy of Monthly Report for 1867 US A —A copy of Annual Report for 1866

Paleographical and Archaeological relating to India, MS

From the Englishman Office, - A copy of "Rapports du fary

International de l' Exposition Universelle" of 1867

From A C Carlleyle, Esq ,—A copy of Notes, Numismatical,

paritally belonging to the author, partially to the Riddel Museum at the attention of the meeting to the very good photograms of com-The President in laying Mr Cailleyle's MS on the table, drew

Agra, where Mr Carlleyle is curator These photograms and sketches

The Council reported that they had elected O H Tavney, Esq, a are accompanied by short explanatory notes

member of Council, in place of Dr Thomas Anderson

The following gentlemen duly proposed and seconded at the last

meeting were balloted for and elected ordinary members

E D Lockwood, Esq, C S

M L Ferrar, Esq, C S.

Alaulavi Kabin-ud-din Ahmad.

DI E Duk.

The following gentlemen are candidates for ballot at the next meet-The Rev O Habeilin

--- Suc

Lieutenant-Colonel Newal, R. A., proposed by the President, second-

B J Leeds, Esq., C. S., Chunár, proposed by Mr Liwin, seconded ed by Mr. Blochmann

G Mevill, Esq., C M Z S, proposed by D1 Stoliczka, seconded by Mi Blochmann

by Mi G Wilson

masm S Kurz, Esq., proposed by Dr. Stoliezka, seconded by Mr. Bloch-

seconded by Mr. Blochmann Oldham, Esq, LLD, C. S, proposed by Dr T Oldham W

ed by the Hon'ble J B Phear. R A Gubbay, Esq, proposed by Maulavie Abdoollatteef, second-

The following gentlemen have intimated their desire to withdraw

from the Society,

J Agadeg, Esq

Capt A Pullan

Babu Kedaianatha Baneigi.

Reports on the late Earthquake received since the last meeting

McEarlane's belief of the existence of pre-historic remains of man Major G Pearse's letter, branging to the notice of the Society Dr. from the Government of Bengal, were laid on the table

"Dr. MacFarlane, of the Retired List, Madias Aimy, who was with Sir of "Cheltenham, 8th Rebruary, 1869," as followsnear Rewah, was also submitted. Major Pearse writes, under date

George Whitlocke's column in the Mutury War of 1857, has brought to my notice a circumstance which I place before you, as it may be deemed worthy of being enquired into, should it not have been so, I shall be much obliged by being informed where mention is made of it

"Dr MacFarlane states, that IO miles from Sumreen, which place is 14 miles from Rewah, at the Falls of the Tonscriver, are pre liestoric remains of an unusual nature,—in so far, that the mounds or barrows are flattish, that the stones encompassing them are around barrows, that these barrows are normal circular barrows, that these barrows extend for miles, and are laid out as we lay out flowerbees barrows extend for miles, and are laid out as we lay out flow erbeds, but that all the beds or barrows are of parallelogram form I don't remember to have heard, or read, of this pre-lustoric soit of don't remember to have heard, or read, of this pre-lustoric soit of

stincture."
The President stated that the Conneil in communicating the above letter, wished to diay the attention of the members to these interest-

the locality wished to diany the attention of the members to these interesting relies, should any one of them have an opportunity to examine

The President then introduced to the meeting the Rev. Dr Wilson, of Bombay, who delivered an address "on the pro-peets or Indian research," of which the following is a very brist abstract

with the decyphering of the ediets of Asola, Thus, through the im-Mi James Princep, and particularly duelt on his Indones, connected attention of the meeting to the aupaialleled persevering ingenuity of Deauties of the Sauserit language. The Rev Doctor also called the the Huidus, and first brought to the notice of the European public, the He, it was, who it inslated the several diamatical noiks of elneidated the littlierto naknown origin of Indian customs and manhis labonis in the analysis and examination of the Puranas hive trons, first commenced by the learned founder of the Society, and lus statements Professor H Wil-on, extended the investigiquent minute investigations of Eniopean science have corroborated researches into the lustory, antiquity, &e of India and how the subseemiched the Society's transactions by his very learned and interesting that prominent Orientalist, Sir W Jones He stated how Colcbrooke shortly noticed how the Asiatic Society of Bengal "as founded by The Rev D. Wilson, in addressing the chairman and the meeting

portance which these works had upon history and language, the Asiatic Society of Bengal became the parent of almost all the other Societies of the kind

D1. Wilson then briefly mentioned how M1 McIntosh founded the Bombay Branch of the Royal Asiatic Society, and spoke of the practical benefits derived from the labours of the Societies in India

The Indian literature and history have greatly benefited by the study of the old classic writings of the Hindus, and he (Di W) was gratified to say, that the progress which has been made in the publication of the Vedas, instifies the expectation that they will soon be completed in the hands of oriental scholars. The study of these Vedas is most important, not only in a historical point of view, but interesting, as shewing the simplicity of the character and customs of the people, and as connected with the origin of mythological ideas

Dr Wilson here lead a long extract from the introduction to his forthcoming work, "on castes," in which he shewed the importance of the study of the Vcdas

These ancient writings make it now evident that there had been a considerable amount of civilization among the Aiyans of this country, though their progress in this respect was not as large, as that of their brethren who travelled towards the west It is most probable that the Indian Aiyans were pastoral tribes, which spread over all the fertile country of the large valleys of India, but on account of the hostile attacks of the abouginal races, they still were obliged to maintain an intimate connection, however distant their mode of wandering may geographically have necessitated their separation Thus a sort of common social life was founded, religious views were developed, enstoms and laws of common interconrse established Then religion, which was altogether in the hands of the priests, chiefly occupied itself with magic ceremonies, though a certain amount of philosophic ideas is observable through the whole system. Unlike the Arvans who migrated towards the European shores, and were susceptible to every influence of foreign civilization, the Indian Aryans shut up themselves from all foreign influence, pieserving their own original and peculiar system of religion and other ideas or social life. exclusion of-foreign elements, Dr Wilson, however, considered as probably disadvantageous to the progress of their civilization

de, which undoubtedly shew a ligh state of evilization in coial, biass-tounder, stone-eutter, destroyer of poison, cotton-deiler, in neetal, compounder of pertuines, confectioner, painter, retol, norker Angur-Veda, among these names were such as 1701y-norker, de iler Wilson read a very long list of names of artistics mentioned in the support of all these and many other occupations of the people, Dr country of the North, for the pashm nas known to them must have had intercomes with the East as nell is nith the hilly Then commercial connections neighborezetensive, they encouraged tables were then already in use, though probably more tolerated, than ous extracts of plants, and the intoriering properties of other regediawn by hoises, of which they seem to have taken greatene Poisonequally well known Iu was they had, like the Egyptians, chariots or as ormaments, the polishing and cutting of precious stones n is worked to a large extent, and used as a kind of payment in exchanges, well as weapons for defence in time of war. The precious inetals were possessed various instruments for agricultural and domestic purposes, as weaving and spinning, the use of nion, copper, brass, &c, of which they works of art they were by no means ignorant. They knew the art or occupations were connected with a certain degree of industry, and in military arrangements also must have been attended too. All these Then was view the neighbourng tilbes shew that then owwege, &e by the frequent mention of their herds of eatile, busialoes, horses, a pastoral people, though to a certain extent also agricultural, as shewn During the time of the Vedas, the Indian Aiyans still nere chiefly

Dr Wilson stated that the Asiatie Society of Beng il first commenced the printing of the Rig Veda, when Professor Max Muller, under the pationage of the Hon E India Company degan his edition of the Veda The Society had also the greatest share in binging to had published the text of the Aitmeya Biahmans Di Haug of Bonday had published the text of the Aitmeya Biahmans of the Rig Veda, which was of very great interest, and Di Weder's studies in the William Veda, were equally acknowledged

The Kianzaka lectures, delivered in the torest, and the Upun-hads have been published by the Society. The difficulty of the meanings of Vedic words was here pointed out, is many explainations of the Vedic

terms are conjectural

The Society have also published the Sianta Sutias and the Gribya Sutias and the Sutias as directions for performing Vardic ceremonies; they are more recent than the Vedas Di Wilson also referred to the numerous ancient smitis, fragments of which he had collected character of the Hindu mind He mentioned that there were grammar of the Hindu mind He mentioned that there were grammars in existence before Panini, and recommended that the Enizopean systems of grammar should be studied together with the Enizopean As regards the styles of the Hindu poetry, he said they are not the very models of of elaborate writing Kalidasa's long syllabic words do not much beautify his poems Several anthorities were of opinion that Kalidasa flourished as late as the 12th century Dr Wilson shat Kalidasa flourished as late as the Rindu sensible to the beauties of mature, and is famous for his descriptions of Hindu scenery of nature, and is famous for his descriptions of Hindu scenery

After these remarks on the labours of the Asiatic Society of Bengal, Dr Wilson briefly stated the direction of the labours of the Bombay Asiatic Society They had devoted their attention chiefly to Sanscrit and Pársí, as also to the study of the numerous Buddhistic and Biahmanic remains, as regards structures as, well as inscriptions Of Biahmanic remains, as regards structures as, well as inscriptions of Guyrati and to Vernaculars He suggested that more attention should be devoted to the vernacular languages, and took this opportunity of mentioning Mi J Taylor's Gusiafti Gramman, recommending that similar Grammars of the other vernacular languages should be prepared

The Rev Dr. then stated in general, his views regarding the Aryan population of Iudia and alluded to the numerous variations which the climate, and other causes, may bring forward in the human character. As regards the language, he stated that eight-tenths of traced ultimately to the Sanscrit He further thought that people vere cometimes too ready to refer Indian words to non-Aryan languages. As an instance, he derived the word Rive, one-fourth of a serve, from the Sanscrit word pida, and said that such interchanges of a serve, from the Sanscrit word pida, and said that such interchanges of labials and dentals are not scarce. The non-Aryan words are of labials and dentals are not scarce. The non-Aryan words are certainly worthy of attention, but they ought always to be carefully certainly worthy of attention, but they ought always to be catchilly

compared vith the variations of the Sanscrit words The Brühm language, he believed, to be a cognate of the Telugn He derived the word Gond, a tribe, from Gounda, and the Koles hom Kulu, a clain in other branches connected with lustory and linguistic studies He specially pointed out Mr Campbell's Summary of the Ethnology of India Ludia has, he stated, true aboriginal access in large minibers, and lindia Ludia has, he stated, true aboriginal access in large minibers, and in hoped that further study nould largely elucidate our as yet very imperfect knowledge of the races

The progress made in natural distory in India, especially in botany

and geology, were also briefly pointed out
In conclusion, Dr Wilson referred to the great progress uluch the
Society lately made in the study of the Persian and Arabic literature
Mr Blochmann's translation of the Ain-i-Albari he thought a very

The Proposition was entried with accommentation of the Prosition was entried with accommentation of the Society de given to the Rev Di Wilson for die eloquent address of the Proposition was entried with accommission

and possibly of the amplitude of the wave. arrive at a knowledge of the celerity of motion of the nave particles, observations And from the fall of the masses it will be possible to which was from 5° to East of Morth Other facts confirmed these were quite consentient as to the direction of the great shock at Cachar, chain, supported by wooden pillais, outside the fence. These two cases eight feet, carying with them the non iailings of the tomb, and the their original position to a distance, in the case of the topmost slub, or tombinthe cemetery, the slabs compilising, which had been thrown from been entirely overthiown, and a handsome and massive white maible ons disturbance These weic, the gateway of the cemeters, which had views selected by the photographic aitist, the peculiai result of this seri-Two of these he had specially taken, as exhibiting, detter than those at Cachar of the earthquake which occurred on the 10th January, 1869. e-pripried to the Society a number of photograms, shening the results The President, having requested Mi N S Atkinson to take the chair,

The results, however, of this great shock were complicated by those

produced by minor shocks, of which two at least picceded the greater shock, and several succeeded it. He (Di Oldham) had been able also to obtain some evidence tending to establish the angle of emergence, at several points of observation, which would show the depth of the seismic focus, and also some readings of direction from other places than Cachar, which all pointed to a position under the Naga hills as being the source of the disturbance. Of all these full details would be given in report

The most stilking result of the earthquake, were the great fissures in the surface, and the sinking and swelling of the surface over a large These were certainly very remarkable, and had produced much damage, but they were in all cases only secondary results of the carthquake They were exclusively confined to what was called by the people of the country the bhunte (or 'filled in') land, there being no single ease of their occurrence in the kandy, which might be called the old banks, of the river valley But in every one of the many long curves which the river Baruk forms below Cachar, and for seores of miles, these fissures might be observed, greatest in amount near the river bank, but extending for miles across these peninsula-like extensions of the river The cause of them became evident after a very little examina-All the country referred to, is composed of some 30 to 40 tion feet thick of hard clay, and saudy clays, which for thousands of square miles, rest upon a bed of 3 to 4 feet thick of blush silt, or ooze, very porous and being highly charged with water. In this wet state the colour appears very much darker, and the whole looks of a deep grey ish blue The bed is about the level of the liver at its present low water, or dry season height The finely divided silt, or ooze, thus charged with water, formed a highly slippery or unctuous bed, on which the slightest motion would tend to make the heavy and more solid beds above to The shock came; this bed, and the large amount of move, or slide water in it, were disturbed, the support of the beds above weakened, and in many places iemoved, and the necessary consequence was, that they fell in The moment motion commenced, the soft silt below was squeezed out by the superimposed weight and the entire thickness of the beds above slipped down or slid out, on the greasy surface; this motion producing cracks and fissures Frequently the sudden pressure of this mass of some 30 feet thick above forced up the fine

would all de given at a future time with a report on the tacts were on the table Mr Oldham stated that details or erlenlation dee Photograms, shewing all these peculiarities described as mud eraters and eat them away into small conical hollows, which had deen tumpled down the edges of the firsure through which it had been toreed force had been exhausted, it gradually retreated again and as it retried formed and flowed away in a kind of etream But it not, or after the be forced up, it in many eases broke through the lip it had itself forced out, formed a mused hy all round. If the watery mud continued to ap and, overflowing the edge of the opening through which it had been fissures, but almost immediately after the net and shall mud eime periectly dry state, and gave one the ider of smoke is-ming from these it was in places dirven out will the lapidity of a cannon shot, in alt through the fissines, or through any holes in the antiace, At first

A short disensaion followed in which Mr Atkinson, Rev Dr Wilson

and a few other gentlemen took part

brothers of the Shan race

PRITAPACUANDRI Guosua, B A (Abstinct) I -Notes of a translation of Balandshahar Inscription, by Bibu Of the following papers short abstracts were partially read

by I foot I melt. It was presented to the Society by Mi Webster, The language is Sanserit The copper plate measures I foot I mulies characters of the Kutila type, though some charteters are quite modern a king of Kalinga of the Rodia family The meetiption is in Vagor The grant was made by Anauga, Gauda Brahman in Sament 1288 This inscription records the grant of a village named Gandata to a

2 -The history of the Burmah Ruis, Part III, by Con Sin A Collector of Balandshahar in February, 1867

Pulter, K C S I, C B (Abstract)

invaded Burmall, nas dethioned and eventually minidered by three king Kyan-tena, during the reign or whose fither the Tak're nad 660 or the Burmese Eig, corresponding to 1293, A.D. In that year the Burmese chronele Muha-radza-neng, nas brought donn to the year the Journal 101 1868 In that paper, the Mi-tory of Burman, as given in History of the Burmese Race which appeared in the philological part of This paper is the continuation of Col Su A Phayie's article on the

In the paper now laid before the meeting Sir A Phayre traces the history of these three Shan brothers, and then successors and contemporaries to the year 1364, A D, when Tha-do-meng-bya founded the city of Ara. The history of the successors of this king is then continued to the year 1555, when Bhureng Noung captured Ara, and usurped the throne

The period, therefore, of the history of Burmah, as described in this paper, extends from A D 1298 to 1555, a space of 257 years. The paper will shortly be published in the Society's Journal

Notes on the Eamine-foods of Marwar, by Assistant-Surgeon George

Wotes on the Kanine-foods of Aarvaar, by Assistant-Surgeon Georgi-Kine, M B, lately attached to the Aarvaar Political Agency,—communicated through Da O R Falzois.

The substances resorted to by the very poor, as articles of food in times of famine, are probably pretty much alike in most parts of Morthern India. With those used in our own provinces we are, uniontainately, but too familiar, yet as blaiwar is a territory, of which most motes on the substitutes for the ordinary cereals which are being used their, during the present severe famine. The accompanying spectres of the ray substances, and of the breads prepared from them, were obtained by me in October last, in the districts of Joudhpore and Pallee, from famishing wietches who nere then substances, and of the breads prepared from them, on them.

The Marwaees, in common with the inhabitants of the neighbouring states of Jeysulmere and Bikaneer, are familiar with famine, or at least with scarcity. In all three states, the annual rainfall is extermely small. There are no accurate statistics on record, but that of Marwar may be set down at about 3 or 4 inches, which (with the exception of a very uncertain fall of about a quarter, or half inch, in the cold weather) is confined to the latter end of July, August and September. The rain-crops afford the staff of life, for owing to the scarcity of water for inigation, and its depth* in many cases from the surface, the area of wheat cultivation is very limited, and pulses are grown scarcely at all. Wide tracts of land are limitedly ploughed ariter the first shower of the rainy season falls, and you and bare after the first shower of the rainy season falls, and you and bare

* In Bikaneer, some of the π ells are more than 800 feet deep '

are sonn. But even the fate of these crops is very nneertain, for if the scanty rainfall of 3 or 4 inches is not distributed in shoneis, falling at reasonable intervals they become stunded, and the yield of support of the eattle. The crops having been resped, these tracts he ampport of the eattle. The crops having been resped, these tracts he quite fallow until next inins, and are almost undistinguishable from the sailow natil next inins, and are almost undistinguishable from the sailow describes and also are the sailow desert

The states, I have mentioned, are e-sentially partenal In Bikaneer, camels are reared in enormone numbers, and in Marani the wealth of the people hes chiefly in their horned cattle, while in mone or the thiese is sufficient grain grown for the support of its own inhibiting. After the ining, a scauty crop of grass springs up, which, with the diy stails of the bays and joar, affords the years supply or fodder for the cattle. Camels find their chief food all the year is nound in the larves cattle.

and twigs of Zazyphus, Salvadora, Acaera and other jungle shrubs.

On the first symptoms of a fullure or giass, the mijority of the horned cattle are divien off under the eare of the younger men to each forage in Malwah or Grazerat, a few bullocks being left to each forage in Malwah or Grazerat, a few bullocks being left to prope of a ram crop, and to prep ue the soil for the cold nerther crop, small as it is. Poorer people who live no eattle, aged and infinity and it is to be felt to be felt.

Lust year so early as the middle or Lugust, the nuser 150ts high, that there is one or the control to the control of the number of the number of their departure until a month later, note obliged to remain altogether on account of the netheres of their cattle, the impossibility of finding forage for them on the 101d, and the difficulty of getting fords for themselves. Not a ten n ho had addictly, the interpossibility of finding forage for them cattle and valuables and being nearly of getting food even for themselves. Not a ten n ho had addictly and then cattle and valuables and being unable to find employment, retinned to Munai, preteining to die in them lead to find employment, retinite and lake true matrices tracting for another partition one interchange to tank mp. But the council is not of the only but the something to turn mp. But the countil from many a poor nucleich n is, I believe provented from themselves to the next, inner his mability to nalk from one nell or sneet nature to the next, much or the Munai nell n ner being by relicing in the next, much or the Munai nell n ner being by relicing in the leave.

and the supplies of superficial water having or course deen exhausted

at an early period of the drought

the question cannot be settled, but I am melined to think that this In the absence of meteorological records, nier to synthy Emelot rain eause her in a diminution of the moductr of the soil, due to a steadily dand there is a strong impression among the inhibitants that the tion of the towns at any rate has decreased of late. On the other render that a probable solution, besides it is known that the populapresent and of the last two or three Idzalis, has not been such as to character of the government of the country, during the reign of the dence to prove that this rises from mereased population a chrome condition in many parts of Markai There is no evi-Sentety is indeed now quite whom I have conversed on the subject dently expressed opinion of many intelligent old Mainages with more common of late years than in times past This is the confi-Rappootana, the conviction has been toteed upon me that these are With reference to the general subject of search and famine in

frewood Herbaceous plants fare no better These me nowhere preparation of palas" as fodder tor eattle and eamels, as nell as for of the jungles for this pripose only . Many more are sacrificed in the Aclds, can understand what drates are made on the scanty undergrouth made or dead privkly shinds, that surround a Marwar village and its who has seen the hedges non 6 to 10 feet high and about as broad, ne planted in their stead. Bren shinds no not spored Any one thing is conserved, the iew indigenous trees are ent down, and none It is an unequal fight, and vegetation is now losing. Nodeen detween men and eattle on the one side, and vegetation on the products. For ages the struggle for lite in the plains of Marwar has does not appear to have been of late any unusual destinction of forest recognised, and that there is no system of forest conserrancy. There It is needless to say that in Mainai this principle is uneacton—that as trees are cut, moisture is lessemed, has been abundantly ence of the vegetation of a district and its rannall, and the old obser-Much attention line been attracted of late to the reoprocal miluis the explanation.

spaken off the withered bianches w. Palet sonsists of the dried leaves of Sizyphus, the commencet jungle rup in Main are the leaves are ahrub in Mainnar

numerous, but on the first sign of drought, then roots are dug up are fodder for eattle, slieep and camels By such measures not only is the influence of vegetation, as at once the conservator and attracter of moisture, interfered vith, but the land sinface being broken up and loosened by the removal of the roots that bind it into consistency, the naturally light and sandy soil is exposed to the influence of the prevailing W and S W vinds

The territory of Manyan lies between the Anavalli range of Inilis on the East, and the descrit on the West, and the fertility of any prit of it is in direct proportion to its distance from the latter boundary. At the base of the Aravalli lies Godwai, the gaiden of Western Raymodrans, while on the margin of the desert is situated the briten and inhospitable district of Mullance Sandstorms of long durition and great severity are extremely common at certain seasons, and they marginally blow from the west Much that I saw and heard during a year's residence in Manyar leads me to believe that the loose sand of the west is gradually overwhelming the east, and as the process of the west is gradually overwhelming the east, and as the process of the west is gradually overwhelming the east, and as the process

It would be rash to say that the ruthless destruction of vegetation ynst described, is the sole cause of the alleged increasing frequency of scarcity in Marwai, but it may with safety be admitted that some attention to the conservation of-forests (including in the litter term all the vegetable products of waste lands) would be likely to merense the supply of moisture in these regions. Every one knows the difficulty of moisture in these regions. Every one knows the difficulty of moisture in a dry district where the soil has been opened up to the influence of the sun and an, and where all shade has been up to the influence of the sun and an, and where all shade has been

goes on, the reign of datieness extends eastward

nemoved by the eutting of tiees and shinds. Diy as Maiwai is, however, several species of tiees and shinds

could be successfully planted in the thine species of Acaeia—Andrea, leucophieu and Cutechu,—Salvadora Persia, several species of Zizyphus

cophica and Catechu,—Salvadora Persuca, several species of Zezyphus and Cappar is aphylla. The two first mentioned are rainable as tim-ber trees

Should a railway, as is proposed, be laid donn in Rappootana, the subject will become one of importance to our interests, but nithout the interference of our Government, nothing n hatever will be done by the interference of our Government, nothing n hatevels, whose interests are really most affected.

The clust jungle products being used as food during the present

- anolloi en our invital in ourinal

I Mothee, This is the root of Hymenochaele grossa, of the institutal order Cyperaceae, a tail rush which grows on the margins tainless of lamine the root is tainless of lamine the root is anyoned. It is not eaten by eatile, but in times of lamine the root is an order, ground, and made into nearenced, the solid part of the root is dired, ground, and made into bread, a little flour being sometimes unread nath it. The accompanying specimen of the bread I got from a man who, with his randly, is making his dumer of it. Even when neshly inade, the bread is dilk brown in colour, and has a sour and earthy trate. Roots of dilk brown in colour, and has a sour and earthy trate. Roots of other species of rushes besides that united above, are also collected other species of rushes besides that many quantity

E "Kyru —The balk of Acasa leavedhoa a tree common in the addition of thour It has an astringent bitter taste, with or nithout the addition of thour It has an astringent bitter taste, and is far trom palatable. On the principle of esperimentum in corpose oil, I unide of griping and disconnort in consequence. I sound this to be the esting and disconnort in consequence. I sound this to be the content, but disconnort in consequence. I sound this to be the cotten, but ultimately the stomach goes accustomed to the miniscons tool. The young pode of several species of Acasaa are accustomed to the miniscons tools of the principle of the miniscons of the opening times of several species of alternation as regentiable, were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont, but the quantity as alleading were this season ground into a flont and a season ground into a flont and a season ground into a season ground into a flont and a season ground into a season ground into a season ground into a season and a season ground into a season and a season ground into a season and a season and a season a season and a season are a season and a season and a season and a season are a season and a season and a season and a season are a season and a season a season and a season and a season are a season and a season a

3 Broont or Bian sout —The seed or Achynathes uspera, a plant common all over the plants of India When the outer covering or the seed has been removed, as in the specimen which I have normaled, a wholesome looking grain remains. The bread made from it is very good, and is considered the best of all the substitutes for the usual

colouis 4. Colding-Karlee —The capsules of Pythulus langinosus, of the natural order Zygophyllucea, a decourbent herbaceous plint of nide distribution in India. From the difficulty of collecting it, this does not take a prominent place as a lamine food. The unopened capsules not take a prominent place as a lamine food.

poetion which the contained seeds bear to the fough thous tissue of

the seed vessel, the bread, of which a specimen is shown, must be indigestible, non-nativious and unitating

5 Mulecolu —The seed of a species or grass (probably an Elevanae) I have no sample of the bread made from this, neither could I ob-

tain any specimens of the plant itself, so as to identify it

after the oil has been expressed. This is not made into bread, but is boiled with water into a kind of soup. The specimen, exhibited, n is bought from a bunneah in Joudhpore basai, nho was selling it to an eager crowd at the rate of seven seers for a Company's injec. In Manwai, this substance is largely stored up by bunneahs against seasons of searchy. It keeps for many years without further deterioration than a darkening of colour

7 Seeds of various Gueurdistaceous plants —Watermelons of grout size grow in a semi wild state in enormons unidees, in Bikaneel, and some parts of Marwal, during the isins. The seeds of these, of encumbers, pumpkins, and melons are stored up against seaterly. They make a not unpalateable diead

With the exception of Tilli eake, none of the aiticles just enumerated can be had to buy. Mothes n'ill not keep, but the others are hoarded up in their houses by the poolet people themselves for their own use when the clops fail. These hoards are however, insignificant, and are soon exhausted during seasons like the present, n'hen in many and are soon exhausted during seasons like the present, n'hen in many and are soon exhausted during seasons like the present, n'hen in many and are soon exhausted during seasons like the present, n'hen in many and are soon exhausted during seasons like the present, n'hen in many are soon exhausted during seasons like the present had been been seasons of the present the seasons of the seasons

parts ot Marwar no rann whatever has fallen for more than a year Bokarie Easden, Saharunpore, Lölk January, 1869

The reading of the following papers was postponed,

by Dr F Stoltezha.
5 Contirbution to our knowledge of Pelagie Molluşea, by Capt

G E First en Topographical features of Assam and their indications, by Di

J Meredith.

LIBRARY

The following additions have been made to the Libiary since the last meeting held in March

, The Names of Donors in Capitals.

Presentations

Journal Assatique, No 44—The Assatic Society of Paris
Bulletin de la Societé de Géographie, November and December,
Vol XVI.—The Glognaphical Society of Paris

Proceedings of the Royal Society, Vol XVII, Nos 106, 107 — THE ROYAL SOCILTY OF LONDOY.

Proceedings of the Royal Society of Edinburgh, Vol. VI. No. 74 — The Royal Society of Edinburgh

Transactions Royal Society of Edinburgh, Vol. XXV Part I — The Royal Society of Edinburgh.

Journal of the Chemical Society, Vol. VI, 2nd series, October, November and December, 1868 —The Chamber Society

Journal of the Bombay Branch of the Royal Asiatic Society, Vol IX. No. XXV —The Bombay Branch, Royal Asiatic Society

Journal of the Statistical Society of London, Vol XXXL Part IV
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Ditto, Report 1866 -- DITTO, DITTO.

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——Ditto pitto

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отти отти — 80-7381 , увИ

Zoology, 1866 -The Museum of Comparative Zoology Annual Report of the Trustees of the Museum of Comparative

The Public Ledger Building, Philadelphia, with an account of the

Proceedings connected nith its opening, June 20th, 1867 -Tur

Rahasya Sandarba, Vol V No 50 -Tue Editor GOVT OF THE UNITED STATES OF AMERICA

The Calentta Journal of Medicine, Vol II No I -Tur Editor

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STOKES, E-Q Grundzuge dei Giechischen Etymologie, von G. Cuitius - W.

Historie Oritique de Manichée et du Manicheisme Par M De Bean-

X110olt's Fables illustrating Russian Soeial Life - The Rey J Loog sobre, Tom I, II -THE REV J LOAG

Гвом тпе Ехеплимя Rapports du July international de l' exposition unixerselle 1967 —

Report on the Statisties of the Prisons of the long Proxinces of the Hafiz MS -J Avolle, Esq.

Bengal Presidency for 1861 to 1865, by F J Mount, E-q. M D

British Burma Education Report, 1867-68, by P Horden, E-q., -The Government of Black

Report on the Land Revenue Administration of the Lower Provinces ortic ortic-A a

Report on the Government Chartable Dispensaires, Bengal (Proper) отти отти - 83-7381 юї

Icones Plantarum Indie Onentalis, Parts I, II, by Major H for the year 1867 —Dirro pirro

Beddome -The Government of Lydia, Home Department

Denis chase

Revue Archeolograne, No 1, 1869.

Revue des Denz Mondes, 15th January, 1869

Tables des Comptes Rendus des seances de l' Academie des sciences, Revue et Magasın de Zoologie, No 12, 1868

Comptes Rendus, Nos 15, 26, 1868 Tome LXVI

Direc direc, Nos 1, 2, 1869

The Annals and Mixima of Kannal History, Vol. III No. 14

The Annals and Mixima of Kannal History, Vol. III No. 14

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The Edinburgh Review, Zo. 263, January 1869.

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The Qurieth Journal of Science, Zo. 21, January, 1869.

The Kinnt of IM-Mubarad, Part V, by W. Witzlin

The Rinterlies, Part 69, by W. C. Hownson

The History of the reign of Shah-Anlam

The History of the reign of Shah-Anlam

The Arnel-Mear Me reign of Shah-Anlam

Alont's Geographisches Worferbuch von P. Wastenfeld Dritter

Band, Nacite Halte.

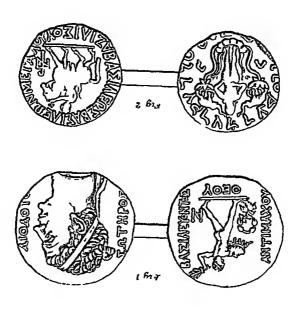
Elements de la Grammaica Assartenne M. M. Marat

Males In espect door II, Z vin der Tunk.
Males Mahr-Blurut, Epro Hum. P. Bapp
Chener, Minich on Fisics de la Zation Kourde, E. B. Chrimoy
Der Bundehesh, von P. Austo
Aapan se Grunmar; by J. J. Hohmsun.
Vergleichande Grunmarik, Brat. Rester Bund, F. Bapp

Aspan so Grammer; by J. J. Holimann.
Vorgleichunde Grammerit, Breter Band, F. Bupp.
Reisen in Indien und Rochasien. Eister Band, von H. Schlugmeneit.
Geschichte der herrschenden Idean des Estunt, von A. Kremer.
Elements de la langue Malvise, on Maren; par A. Tugudt.

Vide Proceedings for Mily 1868 p 164

Fig 1 Antonochus Theos to 1 gr 1



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PROCEEDINGS

OK THE

ASIATIC SOCIETY OF BENGAL,

ROB PIVA' 1809

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The monthly meeting of the Society nas held on Wednesday, the

T Oldham, Esq., LL D, President, in the chan

The minutes of the last meeting were read and countined.

The receipt of the following pre-entations was announced—

I From Babu Udayachánda Datta, Civil Surgeon, Purulia, through

Babu Rigendialala Mitia, a Sanserit manuscript in the Uriá charicter,

meetibed on palm leaves, containing—
(a) A copy of the Panyydya-rathamidia, or a Vocabulary of Syno-

nyms of all articles used in Hindu medicine, compiled by Madhava

Kaira (b) A treatise on Indian Materia Medica, entitled by the author

Anghanta idga, alias Abhadhána-chudámant, but commonly known by the name of Rázánnyhanta. The author's name is differently given at the end of the different chapters of the work, as Mainhin, Mainstille and of the different chapters of the work, as Mainhin, Mainstille and Mithan The manuscript is meomplete, containing only single and Mithan

the first seventeen chapters I Mason,—the Toungoo Nows, Vol V

No 1

The following gentlemen, duly proposed and seconded at the last meeting, were balloted for, and elected ordinary members —

Lieutenant-Colonel D J F Mewal, R A, Mean Meer

R J Leeds, Esq., C S, Chunan

G Mevill, Esq., C M Z. S

S Kuz, Esq

W Oldham, Esq, LL D, C S

B 7 Guppol' Fed

The following gentlemen are candidates for ballot at the next meeting

J Schroeder, Esq.

Proposed by Dr. F. Stoliczka, seconded by Mr. Blochmann.

J. Leupolt, Esq., C S., Goruckpur

Proposed by the President seconded by W Oldham, Esq.

Proposed by Lieutenant-Colonel A S. Allan, seconded by Mr Bloch-T. W Rawlin, Esq., B C S., Assistant Magnetiate, Allahabad.

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Proposed by Babn Rajendralila Mitta, seconded by Mr Blochmann Babn Udayachanda Datta, Ciril Surgeon, Purulia

W C Bonner Jr, Esq., Bar -at-law, Calcutta

Proposed by Maulavi Abdul-lateei Khan Balisdar, seconded by the

Rev J Long.

The following gentlemen have intimated their deane to withdraw

from the Society—

Colonel P S Lumsden

T Martin, Esq.

Mr H Perkins' election, in August last, was cancelled at that gentle-

Committee, they have sanctioned the sale of Government Securities The Council reported that, on the recommendation of the Finance man's own request

belonging to the Oriental Publication Fund to the anount or Rupees

1500, to pay off Printer's bills --

That they have adopted the following recommendations of the

that he de requested to embody the ditleient readings of the Benares permitted to edit the poems of Chand for the Bibliotheca Indica, The Philologran Committee recommend that Mr. J Beames be Philological Committee

now in the keeping of the Society, -that when the copy of the requested to sanction the lending to Mi Beames of the Agra MS, by him in England, and that the Government of the N V Provinces be and Agra MSS in the results of his collation of the two MSS, consulted

The Committee also recommend that the following works be Baidlah MS is received, it be put at his disposal for collation

mentaries, to be edited by Pandita Anandachandra Vedántavágis'a Tandys or Panchavinsa Brahmana of the Sama Veda with compublished in the Bibliotheca Indica -

- The smaller Upanishads with communentaises, to be edited by Lácliyáyana Sutra with commentaises, to be edited by the same
- Pandita Rámadniaya S'iromayi
- Gobhila Sutra with commentaries, to be edited by Pandita
- Váyu Purána, to de edited by Bábu Pratápachandra Ghosha. Chandrakánta Tarkálankála
- taken to process the MSS of Vriddha Parásasa Smrits and Vyavahára the Director of Public Instinction, Madras, and that other ineasures be Athaiva Veda be solicited from the Madias College Library through And that MSS of the commentaires of the Gopathy Bishmana of the Agni Puiána

Babu Rajendralala Mitra writes on the subject, as follons -

dituie of at least five to six thousand Rupees a year us, to send such a number of n orks to press as will mivolve an expen-Government grant of Rs 3,000 per annun, ieudeis it obligatory on This is the more necessary, as the recent of a new series of works by the employment of a body of new editors, and the commencement measures should be taken to give a fresh impetus to the department, 6000, has seldom exceeded Rs 2,000 It is desirable therefore, that .A. io tannal grant the amount of the annual grant of R. three years, progressing very slovely, and the expense per annum, Sanskrit department of the Bibliotheea Indiea has been, for the last ratur and Piemachánda Vidyávágis'a, and some other eauses, the death of our late indefatigable editors, Panditas Ramanaiayana Vidyá-"Owing to the departure of Mi Cowell from this country, the

age, costs about Rs. 300, it will be necessary to send at least ten differeieilli ot the Bibliotheea Indica a year, and as each taseieulus, at an avernot, nithin the last ten years, brought out more than 2 to 3 asas a general tule, Sanskitt editois, whether European or Indian, have printed very iapidly, nor east more than Es 1000 a jeai Indeed, ture and the seamt leisure of the editors, are not likely to be near completion, and the excepted works, owing to their un-"The works now in the piess, with thice eveeptions," are all

Kamandahiya commentary, edited by Pandita Jaganmohava Tarbalankara. Mımansa Darsana, do do * Taitiriya Sanhita, edited by Professor Mahes achandra Nydraratna

ent works to the press to keep up our expenses to the amount stated above Accordingly I beg to propose the following, in addition to those which are now in hand, for the consideration and approval of the Philological Committee

"The works to which our attention should be first directed, according to the Govornment letter, are the Vedas Ot these a Saffirth and a Bráhmana each, of the Rig and the White Yapurs, inve already been published in Europe, and a Saffirth and a Bráhmana oi the Black Yapurs are in a forward state in the Bibl otheca Indica, the Bráhmana awaiting only an Indea for completion. Of the Sáina, Mr Stevenson has published a Saffirth, and of the Athara, Dis Roth and Whitney has published a Saffirth, but no Bráhmana of either of those works has as yet been printed. I am of opinion, therefore, that thee Committee should first take up the Bráhmanas of those Vedas

and Satins for us, (viz, 1 Bupee per page), and I think him to be the work at the same rate at which he has lately edited the Asvaldyvágis'á, the chief priest of the Biahmya Sabhá, is willing to undertake Pandita Kuandachandia Vedántaedition of the text and comment able, and these, I believe, will suffice for a entefully collated standard Three commentaires are likewise availfessor Pickford of Madias The Benaies College has one, and I expect another from Pio-Sanzkiit College of Calcutta, one of which is three hundred years two good ones in its possession, and there ine four in the Libiary of the linstoriam. MSS of this work are easily accessible, the Society lias winch eamot fail to be of interest to the oriental scholar and the Indian whole liturgy of the Sama Veda, and a great number of traditions vinsa Bidimana is the largest and wost valuable. It embraces the are still current,* and of them the Tundya, other wise ealled the Pancha-" According to Sayana Acharya eight Brahmanas of the Sama Veda

fully qualified to do justice to it "Of the Athaiva Veda, the most important, and perhaps the only extant, Bishmana, is the Gopatha Professer Kulin of Berlin has lately miged Mr Whitley Stokes has written to me, expressing his it printed, and Mr W Stokes has written to me, expressing his ennest wish that the Seciety should have the needful done, it possible earnest wish that the Society should have the needful done, it possible

* Vide my Introduction to the Chhandogya Upanishad, and Max Muller's Sanskrit Laterature

them at the usual rate

AISS of the work, however, are very searce. The Society has another from Benaies, but that also is incomplete. The noile noile official to understand, and no editor in Calcutta, that side is very difficult to understand, and no editor in Calcutta, that I know of, can do justice to it without the aid of a commentary. It moves of, can do justice to it without the side of a commentary. It printing it, not only to procure more AISS of the text, but also coduces of two of three commentaries. All Burnell of the Malins Olivial Service once wrote to me, that he had a copy of the commentary, but as he is now in Europe, I cannot get the loan of it. There is one, however, in the library of the old Madi is College, and this may be obtained through the Director of Rublic Instruction at Malins, or the Sceretary to the Madi is Government

'As sequels to the Brâhmañas, the Upanishade come next in order According to the most recent calculations, there are between 130 and 140 of them still extant, of which MSS between 70 or 80 only, are accessible in Calcutta. When Dair Shiroh prepared his Persian tinnshiroh, he could obtain only 60, and Dupetion, in the list century, got no more The Society has published only 12 out of the number advantage. The Society has published only 12 out of the number advantage. Professer Max Muller strongly recommended them in a letter published in the Journal for 1862, and as they are mostly rot more than 8 or 10 to 20 pages in extent, they are not likely to occupy more than two fascients of the Biblotheca, not cost at the outside more than 7 to 8 hundred rupees. Professor Ramances at the outside more than 7 to 8 hundred rupees. Professor Ramances at the outside more than 7 to 8 hundred rupees. Professor Ramances at the outside more than 7 to 8 hundred rupees. Professor Ramances are at the outside more than 7 to 8 hundred rupees. Professor Ramances are at the outside more than 7 to 8 hundred rupees. Professor Ramanances are at the outside more than 7 to 8 hundred rupees are at one edit of the Occupy and Calcutta Sauskirt College is nilling to edit outside more than 7 to 8 hundred rupees.

"Mext to the Vedas stand the Sutnas, and of them I have to propose two, vix the Láthydyana and the Goddia-gridya Sútras of the Sama Veda. They are both founded on the Tandya Biahunga, and for antiquity and interest stand lugh in rank. MSS of hoth rie evily accessible, and they may be at once trken up. Pandita Chrudiakanta. Taikalankara of Mymensing has offered to edit the last, and I mould suggest that his offer he accepted. He is a profound Sauskrif scholar, and mill not fail to acquit hunsely ereditably in the undertaking and mill not fail to acquit hunsely ereditably in the undertaking. The work will full just one facciculus, and cost about 250 Rs.

"As the Lathyayana Suin is a sort of elegesis of the Tlindy a

to edit it along with the Tándya Brálimaga, Paudita Knandachaudia will, perliaps, find it convenient

have since expressed their willingness to undertake the work lantyne dropped it, and Professors Bála S'ástrí and Rájáráma S'ástrí the continuation of the Alahabháshya from the place where Dr. Bal-" Mi Grifftli lins lately suggested that the Society should carry on

sheets which will no nliere be welcome. Dr Ballantyne's edition, mity, give up our liandy 8vo, and agree to univeldy oblong loose adopted the old Indian puthe form, and we must, for the sake of uniforsaving of over 3000 Rs, it we follow him But on the other hand, he printed about one-third of the work on 808 folus, and re would effect a Ballantyne stopped, or begun from the commencement D1 Ballantyne be decided whether it onglitto be printed from the place where Dr. But it will have to nous and at the same time so masaleable a work it is certain that no private enterprize will ever take up so volumipe u diestion as to the propriety of the Society undertaking it, for shiit philology, there can be no difference of opinion. Not can there " As to the importance of the work as the great store-house of San-

pages, and cost Rs 5000 It we punt from the degruning, the cost 'The portion that iemains to be pinted will all about 1600 octavo abon to accept a pook which they can never get completed

besides, is out of print, and new purchasers of our edition will be called

" MSS of the work are very senies, except at Benares, where there will be about R. 8000 payable in five or six years

tative text-book, and the latter a searce and very learned compilation end the Vyaralids a Lilated of Bhavaders The former is an authori-" Or works on law, I would suggest the Vildha-parasana-Smrtte are several teachers of the Bhushya *

"Professor Max Muller, some time ago, recommended the Vayu Puto procure MSS I know of only one MS of the latter in Calentia Should we resolve upon printing them, measures should be taken

as MISS of it may be lead in abundance, I would suggest that it be at Seer etary, Babu Pratapachandra Ghosha, 12 willing to undertake 1t, and rang as the oldest and most interesting of the Purana. Our Assistant

A 1213DAGE 11 ST to press at Bonares under the auspices of His Highness the Mahansis of * S nee writing the above, I have learnt that the work has already been seat

once taken in hand I have no doubt my young intend is fully competent to do the work well."

3 With reference to the letter of the Government of Bengal, on the publication of catalogues of Sanskrit MSS, the Philologueal Committee recommend that the plan proposed by Babú Bahen. Malendials Mitira be adopted, that a pandit employed at 30 Rs per mouth with travelling allowances under the superintendence of the Philologueal Committee will work very well, that the Rev J Long and Babu Rájendialála Mitra be deputed occasionally to report on the matine

and by sitting on the bare ground of the compound, before I was allowed wash my hands and feet, by prostrating myselt before the ingli-priest, by dianying water from a well in the compound with my one hands to my orthodoxy, by leaving my shoes deyond the outer gate of the house, by other than orthodox Hindus When at Puri lately, I had to prove are jealous of them literary treasures, and do not allow them to be seen Pandits are desirable on another ground Some priests and math keepers be more valuable, and whose movements, more costly economical than to depute an officer of a higher standing, whose time will Dr Buhlet at Bombay, and it will, no doubt, prove more effectual and This plan is now being followed with great success by to examine and report on such collections as may appear to be most themselves in the undertaking, to depute a member of the Committee officers to whom lists of desiderata may be sent, and who may interest will be furnished by him and by such educational and other Government pirvate gentlemen and others, and acting upon the information which different tols and maths of the country contain, as also those or nature and extent of the literary tiensnies which the libraries in the and travelling allowances, to collect information with reference to the "The proper plan would be to employ a pandit on Rs 30 a mouth morandum on the subject -The following is an extract from Babu Regendialala Mitea's melibiaries in the Piesidency Rasendialala Mitra de deputed occasionally to report on the matine

none to see the library who does not speak Sauskitt. At such places poor Brahmins will find readier favour than lingh paid Government officials, or men of wealth and position. I would have suggested two pandits, but the Government grant will not cover the expense of more than one

The pitest allows

to enter the Library of the Sankara Math at Puri

"Rev. Mr Long will not object to go out occasionally for the purpose of examining native libraries, and I am willing to devote a portion of my leisure to it, it required By the new rules lately passed by Government, the Wards' Institution will be in a manner closed for three weeks during the Dusserah, for a month in mid-winter, and for three weeks or a month in May, and, on such occasions, it would be a source of satisfaction to me to proceed to the interior and examine old MSS

that they corresponded with portious of a work edited by him Veda, when Dr. Weber found, from the mitial lines published by me, Introduction to the Chhandogya Upamshad as portions of the Sama the discovery was not made until after I had noticed the works in my tion, proved to be chapters of the White Xajur Veda Uniontanately assured me were portions of the Sama Veda, but which, on examinauanga compositions, which the Pandita, a reciter of the Sama Veda, named "Bráhmanas," and unmistakeadly dearing the character of drahthe most distant idea of what they really are I once got four MSS, Bráhmanas of the font Vedas, cannot easily de so tadulated as to give For instance, the characters of portions of the Sunhitis or the remove it, but in many cases such information will prove unavailgiving the "subject matter and name of author," would suffice to cannot be odviated. At first sight, it may appear that the 4th column, of Sanskrit books, which has been so pointedly noticed by Mr Stokes, these, the difficulty arising from the fanciful character of the names and the other the last line and the colophon of every MS the usual Annesdya namah which should be omitted) and the first line, form two more columns, one to contain the salntation in verse (after that to make the retuins really useful, it is desirable to add to the to which the catalogues are to be printed, I deem it necessary to observe scheme, but as the Government letter contains a blank form according "It is not necessary now to consider the details of working out the

* As a remarkable metance in point I may note that in a Catalogue of Vedio MSS in the Library of the Sanskrit Colloge at Benarce, published in the Vedio MSS in the Pankit, I find a MS (No I) described as Yayur Veda Sainkité virthout any information as to whether it is one of the Vapaneyr of the Black Yayus, or the Vapaneyr of the White Agins, the Vapaneyr of the White Agins, or a new work A Rig-britinging a lie, in the same way, occurs in it as distinct from the Aitareya and the Kaushitaka, though no other Bidmann of the Rig is known to be extent Initial lines in such cases would afford great help to scholars

such eases, the initial inc can be our only guide and in some parts of the North West, called Durgdpát or Durga Ventsanvan anam, and the well known Chands of Bengal 15, in Kashmir, the Ventsanhara of Bhattanáráyana is in the North West often called Synonyms too are in common use to indicate the same work, thus often known, or not given in the MSS, they cannot but be mistaken Multitually, Ratnavalle, &c, and as the names of their authors ne not "Again several works are known by one common name, such as

in order that they may be sanctioned, and the Governments of Madias, for the sake of uniformity, to dring them to the notice of Government, the two additional columns above suggested, it would be necessary, "Should the Committee agree with me as to the importance of liaring

Bombay, &c may be apprised of the same

He should devote his leisure hours to the copying of MSS." section-viiteis and, theicioie, a man on monthly wages should be enand prepare copies for the piecs Such noiks cannot be well done by amalgamate the several lists that will be received from time to time, pe un execution in the case of the pandit who may be employed to have been in either ease very much the same Ot course there should The quality of the work would got more than 10 Rs for the Job him at the usual rate of Rs 4 the thousand slokas, he could not have Is Re a month to transliterate a MS, from Una met Nagan, and ing them by the month Recently I had occasion to employ a man at section-vriters at 4 Rs the thousand slokas of 32,000 letters, than pay-"With regard to copyists, it would be more economical to employ

an account of the reading of an inscription, different from that formerly From Mr A C Carllyle, curator of the Reddell Auscum at Agra, The following communications were received—

A letter from the Government of India, Home Department, 101iccorded by the same author

coast of Kattiwas and the Runn of Cutch maiding a copy of the papers regarding the geological action on the

Indian Proverbial Philosophy by E S Gronse, Esq., M A, O/1

chased for the Society by Bábu Rájendi ilah Aitia duing a late tour in The Labranan reported the receipt of the following manuscripts pur-

of then corrections

the North West The collection includes 188 works, no less than 103 of which relate to or are portions of the Vedra. A great many of them are no doubt paddhairs or manuals for the performance of ceremonies, but they are therefore not the less usciul, measured as those ceremonies have a correct understanding of the Vedra Mext to the Vedra the Smrtis are the best represented in the collection, there being 21 Mes on the and the best represented in the collection, there hemg 21 Mes on the subject. Then of the Vedratian the collection, there hemg 21 Mes on the of the Mimüss 8, of the Vedratian 7, of the Mimüss 8, of the Manual 5, of the Tantins 9, of Poetry 10, of the Mimüss 8, of the Puragas 3. Most of the Mydya 7, of the Mimüss 8, of chamina 5, of the Cantins 9, of Poetry 10, and the Library, and the few that are depinded on account of their age, accuracy or completeness Several of these have been read by generations of Panishas, and have had the benefit have been read by generations of Panishas, and have had the benefit

१८६	طاه	ह्यान्द्रभः	: नीक्र मगाभ	ह <u>मासन्द्राद्य.</u>	૯ફઠેઠ
88	<u>ei [</u> 0	तानित्त	मोखनायः	सन्दर्भागवयं	१४४६
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				वमरवन्ध्रवेदातः	
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			पन नासि	इइ१ जीमाह्म १५१	
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			५४ जीमा	जारसे पनह्यं ह् पन	
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80	वा०	, कड़ीई		सामग्रनेताः विध्वतः	४५५०
38	ملاه	,,क्र ेड ्रीह	:इभिष्टिंत्रिक	प्रमाणस्व च एउन्।	४४४६
90	<u>دا</u> ه	, कड़ीर्ह	जबतीयेभिद्यः	स्थामाय दिवर्णम्	2668
•1क्रिह	ekh :2	<i>भि</i> रुह्म । ही	ासान्ति श्राखनामा	प्यवासानि। ययतार	Aडॉली:

भुष्टि वृष्ट्रीरखास्यानम्।

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१०० वसरे ७ पदाभादः

सायनाचायोः नेहिन

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			<u>હવ</u> .	खन्वयार्थेप्रकाश्यिकारोकार <i>च</i>	
				महास्थारीरक	४४६०
2=	طاه	,,कड़ीई	या <i>घिषद्</i> व.	<u> देवथातें दक्षभालम</u>	844G
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				गुर्वााल	४४ त ८
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មទ	طلاه	र्हेग फ़	••	गन्धावपद्वतिः भयखिष्टा	४५५०
8 ई	elle.	त्य वेद्याव,,	उणाळकहि छ	ोक इप ५ । छी। ६ पद ना	
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		•		प्राक्ष्याञ्चरः	878
Ţ	<u>eااه</u>	•	<u> </u>	कार्व हानी अस्त्राम् नाम्नाम	કેક્ષ્ટ્રેટ
c þ	طلاه	"कत्रीई	<u> अधयाद्व</u>	<u> यानक्रतलम्</u>	
				मस्वार्कोतुभे यहच-	56BA
88	<u>ब</u> [०	<u>,कत्री</u> र्घ	न्रापव भइ.	<u> थापसब्सेवजातकम</u> ि	8888
ξ¥	<u> 4</u> [[o		:इफ़ प्रमात्राक	वरानेसानमद्यापः	8888
⇒s	طاه	"किटीर्ह		ागिविह	
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c۶	<u>•11</u> •	"कर्निक	7काष्ट्र ी	<u> ត្</u> រាន្ទរក្សាន្ទ	
				स्यार्टिपञ्चावसन-	8680
				ग्रेपखरिक्तम्	
				ந ூற் சு <i>ந</i> ்ர	
				<u> जिल्लाम</u>	
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88	طاه	<u>,,कट्</u> रीर्ह	यीचान्द्रपः	है। स पन्ने नास्ति	
				ग्रहिकामार्क्ष होता	8798
46	طاه	<u>याजः</u> "		मकपचना वा	
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४५४	طاه	"क़ ट्री ह		मेत्रत्रोगः जापसम्बेयः	१२६४
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Notes on an Aran inscription, by E C Bayley Tracings of the The following papers were read-

were in use in some parts of India ed with this inscription is that the names of the Macedonian months together with Mr Bayley's reading A most interesting point connectmade in order that a fac-simile of it may be published in the Journal waided to M1 Bayley Application for the loan of the plate "ill be plate found by Capt Stubbs, at Sue Vibái, near Bhán alpái and 10rinscription nere laid on the table. They nere taken from a copper

Notes on Western China, by T T Cooper, Esq.

or the Kinehai Kiang, and extending to the banks of the Talton-ton-It ne include in Western China that part of Tibet, lying to the east

ho, then with the golden sands of the Yanlang and Kinchar rivers, the silver, tin and copper mines of Western Yunnan, and the mineral wealth of Szchuan, we speak probably of one of the richest countries in the world, while the prolific soil of these two provinces proclaim Western China to be the garden of Central Asia,

The veil of mystery which has for so long surrounded this part of China (unlifted as yet save by the individual efforts of the good Abè Hüc), seems with the advance of European nations in their match of civilization about to be toin aside, to give light to the millions of Central Asia. When the field hongol roaming in quest browledge and science, when the superstitious teachings of the craft ty Lâma shall give place to the voice of God, as spoken to man through the great Teacher Christ, then the fruits of the country shall give forth their increase, and the people be freed from the yoke shall give forth their increase, and the people be freed from the yoke

Amongst the former are to the Tar-tow-ho,-is inhabited by tribes tributary to China and Buicommence about Lat. 27° 45' M, and thence in a M E direction back borders of Assam, and north of this point to the borders of Tibet which Klang, Now-Klang and Lirawadi rivers in a stianght line to the of the Kinchar Krang to where it turns north,—and crossing the Lantsan the Min 11ver, all the country to the west of this, following the bend most due south until we stilke the Yangtzu, about 80 miles west of Travelling down the west bank of the Tai-tow-ho, and continuing al-Szchnan we must commence about Lat 30° 20' M and Long 102° 5' E. tend. In defining the Western boundaries of the great province of doing so by the distance to which their language and customs exround the space inhabited by each race or people, being guided in races or peoples, and draw the boundaries generally as near as possible stood that we mean parts of the earth's suiface inhabited by distinct As in speaking of " countries" of the world, it is generally under-

The Lo-Los inhabit a strip of country to the west of the Tar-tow-ho, as far as the bonders of Tibet, and then to the south of that as far as the Yangtzu the country is occupied by a tribe of Tibetana, a name indiscriminately given by Chinese in the west to all the self-governing tribes beyond the borders; then from the boundary of Tibet, commencing at

Artenze, satuated about Lat 27° 50' M and Long 96° 30' E, and following the banks of the Lan-tsan-Kiang as far south as Lat 26° 40' M are the following tinbes bloses, Leisus, blooquors, Yatzus, Chudzus and Trefans Then between the same latitudes the country between the same latitudes the country between the powerful trabe of Ludzus who are the terror of all the tribes above enumerated Beyond the Now-Kiang to the west as far as the bonders of Assam, the tribes are mostly tributary to the kingdom of Burmah of Assam, the tribes are mostly tributary to the kingdom of Burmah

Of the three great highways leading from the eastern seaboard to Western China, viz from Canton to Yunnian, through the provinces of Kwang-tung and Kwangse from Shanghar to Szchuan via the xangtzn, through the provinces of Kiang-tzn, Agan-hoer and Hoopa, and from Pekrn to Chentu, the capital of Szchuan through the provinces of Petcheli-chan-si and Chen-si, that of the Yangtzn, with the advantage of water-cariage, is certainly the most importunt, leading from the east

destructible, and are by far the quickest means of courcy mee, but it distinct of W a Clinen are of such toughness as renders them almost in-These boats, built or nood ninch grons in the oue in the stein covered, with damboo mats, and propelled by two men in the bon and generally a long canoe-shaped despatch eratt, some 40 teet in length, 50 tons burtlien called Passenger Junk, and, lastly, the little boat be said to take first rank as to comfort, and next to it, a boat about Mandarine travelling up and down the 111et with their tamilies, unay highly omamented and gilded mande, and used almost exclusively by rin Junk, a large unwieldy craft of nearly one hundled tous burthen, passengers and the other for eargo Under the first eless the Mindaances between Hankow and Szelman-the one used exclusively 10r There may be said to be two distinct classes of conveymeans of conveyance detween Hankow and the upper waters of the it is to exchange these floating palaces for the native eights used as a these splendid vessels, travelled some 600 miles, but few know nhit deyond enjoying to his atmost the comfort and hospitality on board space of three days landed in Hankow, having nithout a single effort through the two great provinces Kiangtzu and Ngan-hoei, and in tho ning detween Shanghai and Hankow, a traveller is lunried anay We all know how that by the magnificent steamers, at present run-

the same time most inconvenient for creeping along the rocks in such a manner that at a very early period a voyage to Szehuan is calculated to destroy the nerves of the most courageous traveller

Amongst the eargo carrying craft, that known as the Szehnan Junk is conspicuous from its great size and comfortable little cabin near the beern, in which the adventurous Szehnan merchant, during the three months' voyage from Hankow to Chung Ching, spends his days, inspieuous are the charcoal and straw boats which are larger than the spieuous are the charcoal and straw boats which are larger than the co-called Szehnan Junks, are loosely put together and loaded to a depth that would deter any one, but a careless indifferent Chinaman, from travelling in them, these are sent down to Hankow with charcoal, from travelling in them, these are sent down to Hankow with charcoal, from travelling in them, these are sent down to Hankow with charcoal, paper, and on arrival are broken up and sold for fire-wood, the expense of taking up so large a boat against the current amounting to more than the price of a new one in Szehuan

ander gone dis initiation in travelling the upper Langtzu Ryssing on tapid, and having been safely towed up this, he may be said to have echoes along the precipitons sides of the gorge, he comes to the first rowed by boatmen, whose wild but cheeful song runs in a limitedgorge some 20 miles passing ever and anon deeply laden Szchuan Junks, tain a climax in the snovy mountains of Tibet Continuing up this N. E and S W, mereasing in height and splendout, until they atplains of Hoopeh which here give place to hills, innaing generally the first of the celebrated Yangten gorges, and leaves behind the left bank, passing which a few miles above he enters the Ichang gorge, boat, he ascends the broad and swift current as far as Tehang on the Embaiking at Sha-su on boaid a river great 11ver adove Hankow the Yangtzu, having, by taking the lake ronte, cut off the bend of the a westerly course for 8 or 10 days, as far as Sha-su on the left bank of ney up this river enters the chain of lakes through which he follows ascending the swift current of the Han, and after a day's tedions jourfinds himsell (after passing the city of Haniaug on the left bank) capital of Szehnan Embaiking at Hankow, the traveller suddenly of commerce, I proceed to describe the road reself as far as Cheutu, the Having described the means of conveyance on this great ritery

from this, a few days' journey brings him to Pah-tung, the fast town this, a few days' journey brings him to Pah-tung, the fast town in Hoopeh, famous for its potatoes, and here for the fast time he sees east of an inferior quality, deficient in bituinen and very slaty. Passing on from this through the Linkan gorge in a few days be reaches Quisoo, the principal eastoms station in the principal eastom house satellites whom he is obliged to tee pretty heavily before he can get away. This city, from its importance, as a customs station, and the monopoly of a large salt trade takes toremost rank amongst the cities on the Yangtzu between Hainfow and Chung Ching, and from the good coal procured in great quantities in its neighbourhood deserves the attention of Westein mations as a Port of call for steamers

Having got iid of the eustoma officials here, the tiaveller continues on through the Mitan goige and then beyond, for the first time, sees in the raver banks a specimen of the beauty and fertility of the gridenthe Exchuan. The banks where they slope down to the viater are covered with rich elops of sugar and higher up in the back ground saug little whitewashed cottage-like houses, nestled intong the bills, throw round the country a home-like and, and in early spring bills, throw round the country a home-like an, and in early spring the this, varied occasionally by the solemn grandeur of goiges, the traveller in about 40 days, after leaving Hankow, arrives at Chung thang, the great trade emporium of Western China.

To all lovers of travel, the journey up the Yangtza to Chung Ching affords a pleasant field for observation and excitement, its dangerous rapids, whirls and eddies, and magnificent an e-inspiring gorges, lend to it that chain which enchants the enthusiastic traveller, and serves to enliven what would otherwise be a tediods voyage. And then to the geologist, the field for observation is most extensive, especially along the gorges, where the perpendicular rocks, forumg their sides, along the gorges, where the geological formation of the country, in many of the gorges will be seen a reddish grey sandstone with its exposed of the gorges will be seen a reddish grey sandstone with black lead. This sandstone attracted the special attention of Captum Birlisten, the first explorer of the Yangtzu, and he speaks on it as one of the great-first ecological entreather in this diring his explorer of the Yangtzu, and he speaks on it as one of the greatest geological entreathes he at geological entreathes he met with diring his expedition, and est geological entreathes he met with diring his expedition, and

I have certainly never in any part of the world seen the same feature in sandstone, while as far as I was able to observe, the stratification is very varied, consisting of Tutés, red and gray sandstones, granite, limestone, shale and many others, the name of which, being uncommon, I am ignorant of, red andstone and a kind of loose flaky magnesian limestone appearing the most common, the latter in many places, however, I hesitate to call impeatone, though it is more like that formation than any other I know of

On arraing at Chung Ching, the traveller may know at once by the number of junks, bustling activity of the people and general well-to-do look of the caty,—to say nothing of the never ending stream of coolies carrying merchandize,—that he has arraved at a great trading mart from the junks lying along the river, while foreign piece goods meet goods for sale lying along the river, while foreign piece goods meet maports, but foreign glass and cotton piece-goods form the principal ber of shops engaged in the sale of these articles, appear to find a large market in Chung Ching, while sugar, hemp, tobacco, silk and mative medicines (this last article in incredible quantities) are the principal exports

Chung Chung ching besides being the great Western mart of trade, is financially the city of greatest importance in the west of China. Here the pay of the Frontien army is regulated, as also the pay of the Grontien army is regulated, as also the pay of the Govince find their way here, and so great is the fame of Ching Ching Wealth in China, that the specie in common use there is at a great premium, and the merchants have their agents north, south, east and west throughout the empire. Such is the famous Ching, the Liverpool of out the empire. Such is the famous Ching, the Liverpool of Chinese trade, and it is to be hoped that Western commerce and energy will soon find their way to her, unfettered by the extortion and exclusive pride of worthless and ignorant mandarins exclusive pride of worthless and ignorant mandarins

Leaving Chung Ching and continuing up rivet, a journey of T days, brings the traveller to Swifoo (Souchowfoo), a large city, situated at the month of the Min river, of considerable importance as a tribute station to which many of the tribes, immediately to the west of the Min annually repair with tribute; it is also the last city west of the Min annually repair with tribute; it is also the last city

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of consequence on the upper Yangtzu which ceases to he maygable about 160 miles above this point. Entering the Min at this city, and iollovang its broad waters for 5 days, the famous city of Klating is reached, the centre of the so-called vegetable nax and silk country. This city, famous throughout China, not so much for its great trade, (as it is really little more than a transit station), but as the resort of pilgrims to the great Omeeshau, the centre of ishuddism in Clinia, two days' journey from Klating to the west, the fame of its temples and the blessing givings of gods, diaws thousands of pilgrims from all parts of the empire, Tibet and even Burma. The Clinicse siy that this large peaked mountain ever shows on its sides the four seasons of the year spring, summer, autumn and winter, and this is not unproof the year spring, summer, autumn and winter, and this is not unproof the year spring, summer, autumn and winter, and this is not unproof the year spring, summer, autumn and winter, and this is not unproof the year spring, summer, autumn and winter, and this is not unpro-

From this eity the river branches off to the east and north-nest, that to the west taking the anme of Tar-tow-ho, and that to the east King-Kiang, following which for 5 days Chentu, the great capital, situ ited in the fertile plains of Szehuan, is reached. This city continuing on a numbers of civil and military Manderins located liere, are astonishing, and give to the place quite an aristociatic art, it, however, his little trade, save in articles of luxary, such as embroidered alks, (nour the district of Kiateng), musk from Tibet, jade from Yunnán and a local supply of foreign articles from Tibet, jade from Yunnán and a local supply of foreign articles from Tibet, jade from Yunnán and a the incom Pekin jons the grand route from Szehuan to Lassa, the junschetion of the viceroy extending to Bailiang and nominally to the junisdiction of the viceroy extending to Bailiang and nominally to the junisdiction of the viceroy extending to Bailiang and nominally to

the Tibetan eapital, Lassa.

I have described Chung Ching, the great central trade mart of Westein China, and the route from this to the eapital of Szelwau which runs through the richest part of the province, and in doing so, I should have mentioned that at Ludzow, a large city some 5 days, journey above Chung Ching, there is an enormous trade in Salt and Lead, the former finding a market at Chung Ching principally, and the latter at Kinteng, the cities of Wootung Chon-che-nachin and Kinteng on the Min and King-yai-chen, on the Tar-tow-ho, about 50 miles above the latter city forming the outlets by which the silk, n is, to to baceo and sagar of this rich part of the province find their n is to

man to his fellow, and stiengthens a people against the injustice of a ness have long since destroyed that sympathetic feeling which binds aim of their education and reason, a monstrous selt-piide and selfishtruth and justice among them, a periection of subtlety is the highest rupt government Bildery and falsehood have usuiped the seat of the Eastern lands, they are but a sad reflection of an utterly corpoint of view, than those of other provinces, and like the people of As a rule, the inhabitants appear little better off in a worldly like every other thing of desuty in China, were works of another goodness, are in decay and suffering from neglect, as though they, roads by vittuous nidows as a memorial of their departed husbands' neglect; even the costly and massive stone aichivays, built over higha manner indicating the most layish expenditule, all show decay and originally built in magnificent architectural etyle and ornamented in buildings, such as temples, theatres, massive gateways and yamuus, Chentu, every city shows dilapidated and ruined walls Their public being the case; even in the most thriving districts of Chung-ching, and ant crops always to be seen throughout the year, such is far from would indicate in some measnie its prosperity, but deyond the luxuiinatural to suppose that the appearance of the country and people, trade of Szchuan Considering the great wealth of Szchuan, it is but plying to Chung Ching, Burmah can never hope to influence the as a port to which steamers may run; but, in the event of steamers and can only be successfully compated by the opening of Chung Ching trade at present existing between the eastern sea-ports and Szelinan, the trade of Western China will soon become a serious rival to the This route in influencing boundary detween Yunnan and Burmah trides on the borders, inhabiting the hill country which forms the year 1868, owing to a civil war which bloke out amongst the wild has spiung up, receiving but a slight check in the deginning of the that trade has been entirely destroyed, since then, however, a farr trade earns ly found their way to Taili, but until within the last 3, years thousands of mules laden with raw cotton and cotton piece-goods Bhamó on the Irrawadi river, hundreds of caravans consisting of Taili, the present Mahomedan capital of that province. Starting from 14 years since, an enormons trade was carried on between Burmah and Previous to the Mahomedan war which broke ont in Yunnán some

matter to be accomplished! teou, for of a tiuth-the saving of China from herself-is no easy busy themselves so much about her welfare, consider this quesness come from the West? Let the great mations that at present of truth and knowledge that is required to rekindle her into brightexputing embets of a once dight and beautiful file Shall the spark The eause of internal deery liangs heavy over her; sho is hut the Chinese Empire Olina of to-day is but the remaint of a past age. to mark the decay of then progeny, and the gradual decline of the great travelling amongst a people, the works of whose forefathers only stand the province, that I felt it at all times and to realize the fact, that I was So conspicuous is the general aspect of unin throughout brought them to a condition, the contemplation of nlich is truly And lastly the curse of opinin and religious superstition has pletely, that they have become utterly indifferent to the fato of their of the mandarins, and their satellites, have broken their spirit so com-The firstill extortion and absolute power tylannical goverunatit

The enlivation of opin in China has of late decome such a strong, that a find and but of the deniand for the find and such as the subject may not be considered out of place here, and so that of the subject may not be considered out of the subject may not be something out of the subject of the subject may not be subject on the subject may not be subject on the subject of the subj

Hue in his work on China makes little or no releignee to the cultivation of opium, and a Reverend Eather who resided in Salman for thirty years assured ine, that n lien he first visited that province, and forter many years after, the growth of opium nas unknown, and until of late years, Szehnan his depended ou Yunnán, n hich opium is more highly esteemed than either the foreign drug, or that produced in Szehnan, and when this supply failed about twelve years since, it cansed a greater demand for the foreign drug, and consequently an increased price, which soon had the effect of increasing the cultivation of the drug in Szehnan, until at this moment it forms with sugar, of the drug in Szehnan, until at this moment it forms with sugar, it is drug in Bzehnan, until at this moment it forms with sugar, of the drug in Bzehnan, until at this moment it forms with sugar, of the drug in Bzehnan, until at this moment it forms with sugar, are and tobacco, the principal eultivation of the province

The present extensive cultivation of the diug in Salman, and the revival of cultivation in Yunnai during the hast four or the years, may probably account for the sudden decrease in demand for the Indian drug in Westein China

His Excellency, the Nepálese ambassador brought with him to Chentu several hundred boxes of Indian opium, which he was unable to dispose of, save a tew boxes bought by Chung Ching merchants for shipment to Hankow, and I believe that I was rightly informed that the people dislike the Indian drug on account of its great strength. Chinese Mandarins, coming from Lassa, invariably bring opium with them into China, purchasing it of the Nepálese merchants coming from Khatmandoo, and disposing of it to Chung Ching merchants from Kratmandoo, and disposing of it to Chung Ching merchants who, I presume, find a market for it east of Szchuan.

ding hills being covered with snow for eight months during the year people, while the chmate has changed to excessive cold, the surroun-Here, as for the past three days, he finds himself amongst a different erpices, brings the traveller to Tontseanloo, the bonder town of Tibet since, three days travelling in a noith west direction along frightful pieof a chain suspension biidge, 340 yaids span, built about 80 years principally subsist Clossing the Tar-tow-ho at Lindinghow by means try scanty crops of potatoes and Indian corn, upon which they peaked mountains, yielding to the inhabitants of this wretched counho, the country gradually decomes a wild and sterile chaos of large this point crossing the Yangun ange of mountains to the Tar-towa deautiful hilly country, very rich in iron and copper, while from and ince Beyond Xaichu for two or thies days, the road leads through the soil of the plain is most prolific, yielding annually two crops of sugar west three days throngh the plain of Szchuan, Yarchu city is reached, Joining at Chentu, the great highway to Tidet, and travelling

Up to this point, chairs are used as a means of conveyance, but before the traveller can prosecute his journey into Tibet, he must purchase mules, tents, watch-dogs, and a ten days' supply of food for two days crosses the Teddo range of mountains, but how different two days crosses the Jeddo range of mountains, but how different are these mountains! For the first day the country is nothing but huge granite boulders as far as the eye can reach, but next day, on arriving at the summit of the range, every thing is changed before him, there is see of high grassy ranges without a vestige of a tree,—large herds of yaks and sheep dot the sides of the mountains in black and white of yaks and sheep dot the sides of the mountains in black and white

terres Bathang, a Tibetan town, like Lithang famous for its Lama monasthe western foot of the latter, in a benutulul fertile valley, reaches ten days, he crosses the Sambar and Taso snowy mountains and at During these tatiguing ing into the deavens to an enoimous lieight like formation, the higher peaks covered with perpetual snow, towera featful country of snony mountains, the lower ranges of a hare lunestonetaining about 3500 Lámas, and for the next ten days he timede through and flour, he is glad to leave Lithang with its gilded monreteries, coning very difficult, and after resting a day to recruit his larder with butter situated on a very high plateau, so ligh that the traveller finds breatliwhite pine forests, in eight days the Tibetan town of Lithang is reached, ranges occasionally descending into valleys covered with yellow and for the heavy and toilsome ascent Continuing on through these patches,—the wild, still grandeur of such a scene is an ample reward

Bathang is the last town of importance in the eastern king-dom of Tibet which is nominally subject to China, there is a Chinese mandarin here who, in concert vith the Lámas, guards the borders most zealously against the intrusions of outsiders. Thus far from Chentu the Szehnan Capital, we have travelled the grand highway leading from China to Lassa the capital of Tibet, and it is by this route, that some three or four million pounds of tea are annually sent to Lassa from the district of Yarehu The tea of a very coarse description is earried on pack saddles by yaks and mules to Lassa, a journey is earried on pack saddles by yaks and mules to Lassa, a journey

Grom Bathang there is another route which leads to Assam, un-

travelled as yet by Europeans —

Before the deritle province or Yunnan, and vilile the lumdreds of trading caravans annually travelled between Bhams on the Irrawadi and Talifoo, the present Malmondan eapital of that province, they ereated a trade, the fame whereof lies lived till this province, they ereated a trade, the fame whereof lies lived till this day, and the reviral of which should form, it not the first, at least the second most important question occupying the commercial mind of England to-day. This question has already received so much attention, that I need not observe that, while it will confer immense benefit on the British possessions in Burma, if re-opened, it eanuet be or immediate importance to our Indian possessions, and deep in this conviction I have importance to our Indian possessions, and deep in this conviction I have

not been travelled by the Catholic Missionaries in earlier years Of tlus, however, I am not certain, nor am I certain that this ronte has rall probably confine communication to eight months during the year. sente many difficulties to peaceful intercourse, while the severe climate entertained by the Lamas and people of Tibet for foreigners, it premoment from the warlike nature of the Mishmi tirbes, and the fear occupies some twenty days between Zy-yu and Bathang, but at this The toad is travelled by mules carrying cargo, and Grand Lama) of Lassa, the northern half being only religiously dependent on the alluded to is part of a province of Tibet, subject to the government countity, and thence west a few days to Zy-yu (The Pomi country to the Trbetan village of Song-nga, Kui-dzong in the south Pomi Kiang 11veis, to the Tibetan monastery of Bonga, thence noith-west south-west crosing the Kinchar Kiang, Lautsan-kiang and Now-This route leaving Bathang leads gether of 180 miles, or thereabouts ing the mountains to Sudyn on the Bialimapiitia, a distance altoa Tibetan town at the foot of the Himalayas on the east, thence crossroute does exist, I have ascertained, namely, from Bathang to Zy-yu, Assam could communicate more directly with China That such a been engaged for the last year in seeking a route by which India and

I have spoken of the river Yang-tzu as the great trade artery of China, and will conclude these notes with a few remarks on its great amount isse and fall

The original cause of the summer floods which annually deluge the plain of Hoopeh, Mganhwei and Kiang-tzu, forming the valley of the Lower Yang-tzu, takes mank amongst the first scientific problems yet to

be solved by western energy and learning

That the enows and rains of the country diained by the Yar-loong-krang and Kin-chai-kiang, influence the rise of the Yang-tzu, is without doubt, but that they are the sole cause of the floods, appears doubtful.

While travelling from Wei-sim Yunnan towards Chang-ching through Retheat Travelling from the Travelling from Mei-sim Yunnan towards Chang-ching through

Bathang, Tatseanloo and the Tar-tow-ho country, I everywhere encountered floods and ergns of floods, the like of which, so the people told me, had not been known for twenty years Part of the town of Artenze on the northern border of Yunnan had been washed away, and many parts of the road which I had travelled in May and June had become channels for terrific mountain tollents, and to the east of Tatseanloo

feeders of the lower Yang-tzu local, perhaps the Tung-ting Lake and the Han River are the great am led to inter that the eause of these floods in the plains is purely mountains, which had subsided by the middle or August, and thus I for a long time, could seareely have been influenced by the rains of the in November were higher for the time of year, than has been known July, or degraning of August, so that the waters in the planie which alluded to, commenced in June, and subsided tonnih the end of The rains which caused such unusual destruction in the country I have level, though it was higher for the time of the year than last 3 ear astonished to find the river had been three feet below its last jear's entirely, yet on striking the Yang-tzu at Swilco in October, I nas we passed the sites of numerous villages that had been washed away

A long discussion followed the reading of this paper

our knowledge of that country in spite of all the enounous difficulties, to enlarge in every respect (Col Th.) desired to express the hope that Mr Cooper will be able, was no doubt an extensive one, as eleally shewn by his travels, and he explorations However, Mr Cooper's experience in those districts, dangerous nature of the route which he had selected for his muther and the same parts of the country, to remaind Mr. Cooper of the pendons and duty of every one, who had followed the explonations of ionner travellers apon the geography of the country He (Col Th) considered it the valuable not only in a commercial point of view, but also as berring of his exploration of Western China These researches are inost most interesting points in the account which Mi. Cooper has given Col Thullier drew the attention of the meeting to a few of the

and also an expression of their dest wishes for the success of his further by given to Mi Cooper for his very interesting account or his travely, Col Th begged to propose that the special thanks of the meeting

north-easterly direction Capt Wilcox saw, from the Pathor range, that river, and had been informed that the lirgest bianch i me ii ingaines duing die stay at Bhand regarding the upper comes of the Irranada Di A put this question decruse he had made special Mi Cooper, if he had obtained any information regarding the sources or Dr J. Anderson in seconding Col Thuillier's proposition, "ished to ask

what he believed to be the Irrawadi, and described it as an insignificant stream Dr A' sinformant, however, described the eastern branch as large river, running between high banks, and the western as a mailler one Dr A. was inclined to believe that which most probably merely this branch, and not the main stream which most probably rises far to the noith of Capt Wilcox's position

While at Momein Dr. A also made particular enquiries regarding the size of the Salween, the conrae of which was indicated by the lofty Saychan range of hills, about 15 to 20 miles from Momein. The information was to the effect that the river was a very small stream formation was to the effect that the river was a very small stream between high and precipitous banks, and the Pekin highway is said to ent it by a chain suspension bridge. The Salveen thus not stretching so far to the north, as is usually represented on our maps, it is possible that the large streams, heard of by Mr. Cooper, may have pessible that the large streams, heard of by Mr. Cooper, may have

Col Th's proposition was favorably responded to by the meeting. Mr. Cameron made a few observations regarding the people of Eastern Assam: he believed that travelling in those districts is most dangerous, especially in the country of the Mishmi tribes

this subject, Dr A thought, would be very valuable

Mr Cooper said that he had no direct observation, or reliable information, as to the upper course and the sources of the Irrawadı, but he himseli was of opinion, that its sources lie much further to north, than they are usually indicated on our maps. On a small route map, which he (Mr Cooper) had lately prepared, he marked the course of the Irrawadı much above the latitude of the Patkor range towards the North, coming from Eastern Tribet.

agement which he had received, and said that he is ready and prepared to meet any difficulties, and undertaken any hardships to do justice to the task, which he had undertaken

Col Thullier considered the discovery of the sources of the Irrawadi and Brahmaputra as one of the greatest geographical problems of the present time, but thought that M1 Cooper's object was not exactly the discovery of the sources of rivers, but simply the opening of a direct route from India to Western China. He (Col Th) also stated

adt vd bannert stibnen aft tedt vnitaam aut to nortemrotur aft rot

deal of the information required on those geographical problems Tibet, and he doubted not that they will bing us ultimately a great Trigonometrical Survey are at the present engaged in those parts or

opinion one "ay or another regarding the supposed relation of the interest, to elieit information on the subject, he limisely held no Dr Anderson said that he had put the question as one of general

Tsampô and the Bishnaputia

The Hon'ble Mi Phear referred to the symmetry and the parallel

enecession of great falls comes, the river must either pass through a very deep goige, or de a considering the great elevation of the country hom n high the Liranadi mountains in those districts of Western China was Me thought, that as exhibited on the map, and asked what the average height of these structure of the mountain-ranges in their noith-southern extensions,

the Irrawadı flows, to be about 7,000 feet Mr Cooper thought the elevation of the mountains, through nlineh

south of Bhamo was 5,000 feet, although some of the peaks nere as Dr Anderson observed that the areenge lieight of the hill-ranges

The President, in closing the discussion in which the Hou'ble much as 7,000 teet

shortest route should be examined before any other nere selected India and Ohma and Cential Asia,—the President thought that the placed before lum,—the opening of a ducet communication being entitled him to expect. Considering the problem which Mr Cooper had until ing zeal, courage and perseverance in prosecuting his object fully Cooper's exploiations aught de folloned by that success which his the Society, and joined in the general expression of hope that Mr. the chair He (the Pres) repeated the thanks and the good wishes of that it would be unnecessary to put it in any more formal way from Col Thuillier had been already so nell responded to by the meeting, nien took part, observed that the proposition biought iornard by Mr Phear, Dr Anderson, Mr Cooper, and several other gentle-

by DR F Stoliczki, (Abstract). . Continduction touards the knowledge of Indian Arachnoidea,

fortunately belonged to one of those classes or animals against which India so little attention as the study of the Arachnoidea They un-The author observed that few branches or Zoology had receired in

people seem to have a natural horror of feeling, when they come in nabit and contact with them. No doubt the dark places which some inhabit and the dangerous bite of others, have brought down this contempt upon the whole class. And still there are few animals more important and useful in the economy of nature, where an adequate balance between all classes of beings must exist, than the Arachards They only live upon insects, and destroy a very large number of some, which do much damage and harm to other animal and vegetable life. Indeed, when we look upon their occasionally fantastic forms, there is not much more very look upon their occasionally fantastic forms, there is not much more aniety that imagination could invent, than we meet among the Arachnoidea, and as regards variations of shade, tasteful distribution and billiancy of colours, they do not remain much behind the beauties of nature, the brids and butterflies.

It was at first the intention of the author of this paper only to collect materials for a monograph of the Indian Scorptoxides, because they are better known to most people than the spiders which, being generally hammless, are as a rule passed by unnoticed. The materials for such a monograph, which ought to give a sufficiently perfect account of the group, are, however, only gradually forthcoming, but with the aid of intends, it is to be hoped that the work can soon be

for such a monograph, which ought to give a sufficiently perfect account of the group, are, however, only gradually forthcoming, but with the aid of friends, it is to be hoped that the work can soon be brought to a conclusion

Meanwhile, a large number of other As acknowled has been collected, and among them some are very interesting forms, new to science; out of these the author had made a selection of species, representing some of the principal divisions, or tibes, of the class The species are de-

and among them some are very interesting forms, new to science; out of these the author had made a selection of species, representing some of these the author had made a selection of species. The species are described with all the necessary details, and of all of them the required fillustrations will be given. The object of this ariangement is principally to direct attention to the valiety of forms, and to aid those who may feel inducement to take an interest in the study of Arachnoidea. It haidly needs to be repeated that few other branches of Indian Soology offer such a large number of interesting novelties to one who wishes to assist in the study and revelation of the animal toone who wishes to assist in the study and revelation of the animal forms surrounding us,

The species described in the piesent paper are Angrella signata and atinata, Anleodes or ientalis, Telyphonus Assamensis, Thomisus pugilis, The elongatus, Th Peelianus, Assamensis, Aleta graenis, Tetragatis, Tetragatis, Asparatia angustata, Apeira (Argycpes)

Ish similar is, and Scylodes propingua. Dolomedes longimanus, Hersilia Calcutlensis, Sphasus inidanus, stellata, Ep (A19) mammillaris, Ep Brahminica, Ep hissutula,

The reading of Capt Fryei's " Contribution to Pelagic Mollneen" and

The President announced the new elections and the meeting separated Dr Meredich's "Topographical features of Assau," was postponed

LIBRARY.

last meeting held in April, 1869 The following additions have been made to the Library since the

Suoitaluese th

** (Names of donors in capitals)

PHICAL SOCIETY OF PARIS Bulletin de la Société de Geographie, January, 1869 -Tur Grogne-

Tweede deel, 2nd en 3rd stuk, Derde Deel, 1st en 2nd stuk - Tuk Bydiagen tot de Tual-landen Vekenkunde van Rederlandisch Indie

Proceedings of the Royal Society, Vol XVI No 108.-Tuu SOCIETY

Proceedings of the Geographical Society Vol XIII No I -The HOYAL SUCIETY OF LOADON

ROYLL GEOGRAPHICAL SOCIETY OF LOSDON

Das Achtzehnte Kapitel des Wendidid, by Di M Hiug-Tur Rahasya Saudaibha, Vol V No 51 — Tue Epiron

Discours Prononce a l'Ouverture du Cours de Cochinchinois, par Malersch Leesbock, door H, W Van der Tunk -Tue acruon HOUTUA

Report on the Administration or Mysone 1867-69 -Tan Govern-Abel des Michels -- Tim Auruon

MENA OF BENGAL

J867-68 -The same Ditto on the Administration of the North Western Provinces for

Annual Report on the Administration of the Province of British

Annual Report on the Operations or the Post Office of India for Burna for 1867-68 —The same

Report on the Administration of the Undersolved and and troops ours out. -- 89-1981

for 1867-68 -The same,

Annual Report on the Administration of the Madras Presidency of

1867-68.—The same.
Report on the Administration of the Panjab and its Dependencies

ior 1867-68.—The same. Report on the Administration of Coorg, for the 1867-68.—The

sme. Selections from the Records of Government Morth Western Pro-

vinces 2nd Selles Vols. I No 3, 4.—The Government North West-

Memoirs of the Geological Survey of India, Palæontologia Indica, Vol. V 7-10.—The Government of India, Home Department,

Punjab Plants, comprising Botanical and Vernaculai names, and uses of the most of the trees, shrabs and herbs of economical value, growing within the Piovince —Public Works Department, Puzias,

Pur chase

The Vishna Parana Vol IV, by H H. Wilson.

Calcutta Review for April, 1869. Comptes Rendus Nos I, 2, 3, 4, 5, and 6, 1869.

Journal des Savants, December, 1868 and January, 1869

The Ibis Vol V No 17.

Revue Linguistique, Tom 2nd Fas III. Revue Aichéologique No 2, 1869.

Revue des Deux Mondes, from to 1st February 15th February, 1869

Exchange The Athensum for December, 1868, and January, 1869.

PROCEEDINGS

AHI 40

VEIVLIC SOCIETY OF BENGAL,

10 tot June, 1869

2nd metant at 9 o'clock p u The Mouthly Meeting of the Society was held on Wedne-dy, the

T Oldham, Esq , LL D , President, m the chan

The minutes of the last meeting were read and continued

The following presentations nere announced-

From Mr A M Cameton-A copy of a lecture on Person

From the Government of Ludia, in the Foreign Depritment-Poetry and Romantic Poets of Persia

translated by Mr R Michell A copy of a Jouiney to Kashgai, in 1858, by Capt Viliklianot,

of the mathematical and physical class of the Bavarran Leading of regarding the death of A von Schlagiutweit, (Extract from the reports From Mr H von Schlagmen eit-Sakünlushi-Kew data

now moon of the Muliarram He further states that the day on which Abdullah was thrown in prison, and the next day he observed the tiont of the city of Káshgai, and that the traveller fell in the struggli-Mr Adolph v Schlagintnoit's camp was attacked by Valu Khan in Abdullih write-thit had been possible to do mon previous dates accurately the date of the death or his univituate brother, then it dullah of Unitent, he had been able to ascertain much more le received last autumn from i Mushima servint, named Ab-H von Schlagentiveit states that, from minoimation which Science, Munchen, 1869)

he nas imprisoned nas a Chediar-shambili, or a Weduc-dy

cludes that his brother Adolph fell in the morning hours of the 26th these and some other cucumstances Mr. H von Schlagmtweit con-

August, 1857

Curator of the Archwological Museum of the Jesuit's College in that in the south of Belgrum, and presented to Mr Cantopher by the Pius and Galba, taken out of a small lake in the vicinity of Tournay, From M Cantopher, Esq, two copper come of Antoninus

On the motion of the Piesident, the thanks of the Society were cıty.

The following gentlemen duly proposed and seconded at the last voted to Mi Cantopher.

meeting were balloted for, and elected ordinary members,-

J Schroeder, Esq

J Leupolt, Esq, O S

E W Rawin, Esq, B. C S

Bábu Udayachanda Datta, Putula

W C. Bonnetji, Esq.

Buiteeting The following gentlemen are candidates for ballot at the next

Lieut J C Ross, R E, proposed by Mt A. Cadell, C S, seconded

A V Muising Rao, Esq., Vizagapatam, proposed by Mi. Blochby Mi W Livine

C. J. Lyall, Esq., Balandshahar, proposed by M. Blochmann, mann, seconded by Dr Stoliczka

seconded by D1 Stoliczka.

Anderson, seconded by Mr H Blochmann. Robert Gordon, Esq , C. E., Henzadag, Burma, proposed by D. J.

A. M. Maikham, Esq., C S., proposed by Capt. A D Vanienen, S Pell, Esq., proposed by Dr. Stoliczka, seconded by G Mevill, Esq.

seconded by Col. Gastrell.

by Di T Oldham, J Coates, Esq., M D., proposed by H B. Medlicott, Esq., seconded

from the Society Capt W. J W Muir, A. E Russell, Esq., C. S The following gentlemen have intimated their desire to withdiaw

the Secretary to the Government of the Punjab to the Supenntendent The President communicated the following letters, addressed from

of the Geological Survey of India.

messioner and Superintendent, Derajat Division, No 135, duted Copy of a letter from Offy Deputy Commissioner, Bunnoo, to Offy Com-

28th Manch, 1868

eopy of No 1239, dated 3rd metant, mom Secretary to Financial In reply to his No 75, dated 8th instant, forwarding tor report,

then villages, returned, and, with those who had remained, at once villagers who, on account of the drought, had for the time deserted light sandy tracts of Murwat In consequence of it numbers or from the surface. This phenomenon was general throughout all the a depth of about 2 feet beneath the surface, to rese to about 6 melies November 10th last eaused the moisture, which generally lies at The earthquake which occurred bein during the night of Commissioner, Punjab, has the honor to report as tollows

commensed plonghing and sowing for Rubbee

foot to 18 inches above its usual level I moil riser sites the eartliquake it had everynliere risen from I place the mousture lay at its usnal depth below the surface, and on can only be attributed to the earthquake, as the day belone it took The use in the level of the moistine was at once tendered apparent parched appearance, but on secaping the suctace a little, the moistura The saudy surface of the soil exhibited its usual diy self tested the truth of the reports which had spread throughout thu Undersigned was in Murwut lumself shortly after, and lum-

Note by R E Egerton, Esquere, Einancial Commissioner, Panjab

and which eams up again from Bombay atter 3 months, as it the reports which nere provalent there in November to the same effect, from Bombay Gazette, I thunk, seemed to me a repetition of the moistening the soil, which appeared in the newspaper lately quoted The report regarding the effects of the eatliquake in Bunnoo on

When I was in Bunnoo in November, there was a tumoui that the news was hesh

effect had been really produced by an earthquake, but that people from the people at Lukkee in Murwut, and they ead that no such then spring erops though no tain had iallen I asked about this had recently occurred, and that the people had been able to cow soil of Murwut had been rendered most by the earthquike nhill

had sown then spring crops, though there had been no rain, because the time for sowing was nearly past, and they were afraid of losing then crop if they did not sow. On hearing this, which seemed to me a national explanation, I did not make any further enquiry. Mixed any how it arose There was an enthquake certainly, and the spring crops in Murwit were largely sown though no rain fell. It was not difficult to invent the fact of unusual moisture having been not difficult to invent the fact of unusual moisture having been developed by the carthquake.

Had there been any very general or perceptible morsture of the ground teally developed by the eathquake, I am sure, I should have heard of it in my journey through the Bunnoo district

It is just possible that there may have been another earthquake attended by such a phenomenon recently, but as I have beard quite lately from Colonel Graham, Mr Thorburn, and Mr Priestly, who none of them mention it, and as the report on the weather and the crops up to 21st February have not noticed it, I think that the earthquake of November must be that alluded to

The following communications were read—

I. A contribution to our knowledge of Pelagic Mollusca, by Capt. G. B Frxer, Madr as Staff Corps,—communicated by Dr. Stoliczka

(45*p.11897*)

The paper contains a summary of observations made during two voyages from England to India viâ the Cape of Good Hope Capt Ilyer first gives a general account of the organisation of Pteropods, then comments on their habits and mode of life, and on the geographical distribution. A table shewing this distribution is added, and also a map on which the localities are marked, with the number of species captured at each of them. In the present communication Capt Flyer treats only of the Thecosomata which are furnished with an external though very thin shell. The anthor found and li in the Bay of Bengal A few species appear to be peculiar to each of these oceans. The map shews that comparatively the largest each of these oceans. The map shews that comparatively the largest number of specimens was obtained south and south-east of Ceylon number of specimens was obtained south and south-east of Ceylon number of specimens was obtained south and south-east of Ceylon number of specimens was obtained south and south-east of Ceylon number of specimes to indentate (var. Forskalls), H tensob anchar and

H affines, which by some authors nere considered to be identically are behaved by the author to be distinct, and hymics or the shells are green. In conclusion Capt. Fryer appends directions for allowering these interesting animals directing these interesting animals directions are green.

eoldecting these interesting animals during the sea 1.03 ages

orneed by Capt Bryen, in his paper, particularly as to the times of the transed by Capt Bryen, in his paper, particularly as to the times of the appearance and disappearance of this very interesting elass a Molluses. He took the opportunity of dissenting from the placing H teniodranchia as a distinct species, believing it would prove to be a variety of H tradentata, the absence of specimens now great bar to a consect conclusion. If musionata, although described by Quoy and Gameral was entirely sented by Bring and Soules of

Gaimaid, was entirely ignored by Kaug and Souler et light fight for lus

interesting contribution.

II — Notes on the sometimed seatures of Assam, and their, radica-

II --Notes on the topographical Jealuses of Assam, and their indica-

Assam by the well-known theoretic geologic il hypothesis of the contraction of the earth's surface, this being, Di M siz, the chief contraction of the earth's surface, this being, Di M siz, the chief chief of depressions and elevations. Dr M thinks that there are milic itious of glacial action at Bischnath-Dolpore and at Teypore, similar to those which Prof Agassiz has recorded as occurring in Bisch Di M grees then an elementary explanation of certain invines ind sumipy grees then an elementary explanation of certain invines ind sumpy places, called Hooloks and Pectanies by the matives of Assam He also says that a good deal of the uneveniess and distindances of the ground are due to scienic action.

During the reading of the paper, Dr Stoliczka observed, regeraling Prof Agassiz' explanation of the torniztion of the Anason riller by Glacial action, that a short time ago he had received intornition mond in those Mr. W Gabb to the effect, that manne shells had been tonied in those clayey beds which nece supposed by Prof Agassiz to be the result of college, that manne tossils clearly shear, that it of places at the profession of the result of places are professional action. This occurrence of manne tossils clearly shear, that it

Stacial action This occurrence of maine tosals cloud, shows, thic it least some portion of these deposits is of maine origin

M. H B Meddicott stated that the rocks at Texpore which Di Meredith most likely supposes to be moranies, no rocks in sign, and that he (Mi Meddicott) has not observed on them any glacial action about Texpore, nor in any other parts of Lesina

III —The District of Lidhiyanah, by T W H Toleort, Esq., C S.,—communicated by MR Blochman, (Abstract)

The paper on the District of Lúdhryanah is divided into two parted, on the Natural features, and 2, on the History of the District. The former part is chiefly botanical. The latter touches on the history of Máchíwárah, Tihárah, and the town of Lúdhryánah which before and during the times of the Moghiuls, belouged to the Sirkár of Sarkir of Sarkir, or Sarkir, or

tinued to the present age

Mi Tolbott's paper is full of original information regarding the superstitions and the guou worship of the people, then reverence for the famous Sharkh 'Abdul Qádir of Gilán (a Persian province near the Caspian Sea), and for Sakki Saiwai The numerous biographies of Indian saints which we possess, say nothing of the latter, for the history of the former, the Asiatic Society of Bengal possesses several biographies in MS

The author also gives a list of words and phiases illustrative of the Lúdhlyanah dialect, and closes with a description of the luins of

Saidind and Páyil.

(The paper is in type, and will form the concluding portion of Mo.

2 of the Philological Part of the Journal, which will be issued next week.)

Onns; twenty-two copper coins, chiefly of the leign of 'Alânddin i Tolbort has also piesented to the Society three Bactrian copper coins; twenty-two copper coins, chiefly of the leign of 'Alânddin i Thulji, struck in 290, and a most excellent silver coin of 'Alânddin i Khilji, struck in margin of hir Tolbort's specimen containing the name of the mint is almost entirely cut away, but it shews traces of the word size has almost entirely cut away, but it shews traces of the word size has almost entirely cut away, but it shews traces of the word size has almost entirely cut away, but it shews traces of the word size has almost entirely cut away, but it shews traces of the word size has almost entirely cut away, but it shews the fact has only size has no sense hy leading is confirmed by the fact that only silver come of 'Alânddin's gold coins bear, nith the exception of these two words, 'Alânddin's gold coins bear, nith the exception of these two words, the eame inscription as the silver coins

lector at once mounted a liorse, and came to the spot the Collector of Julimider, and informed him of the event. The Colregained then composure. They sent a courser to Mulamind Sa'id, some time before the inhabitants recovered iron then fight, and heaven, and descended to the earth, when it disappeared. It took Wirle the noise was going on, a lightning-like lustic shot along the inhabitants of the place were in the greatest auxiety for then lives explosion proceeded from the east, and nas so tremendons, that the ful explosion was heard in a village near Juliunder (Juliudhit) " At this time (Rabbuldkhin 1020, or Maich-April 1621) i dieidnyzn' Esc 1621, according to the Igdilinian i Jahangiri, by H Blocu-I L Mote on the fall of a Meteorite at Jullunder, in April A D sale Buldah & Surhind with the character , iollowing the tenn sab. This my be mint of an unascertained city, the name of which seems to commence Other silver come of 'Alanddin are, according to Marsden "nom a

m Yamans and Southern [Indian] swords You could bend the other rron, the meteorie non exhibited the same grain as is observed knife, which he laid defore His Majesty Airer deing mixed with the them together, and made of it two snords, one digger, and one non (ahan e barg, lightining-iron) to one part of common iron, mired His Majesty ordered him to do . He then took thice parts of meteoric led to pieces, but he could mix it nith pure and inultless iron reported that the non nould not stand under the hammer, but erundmake the lump into a sword, a dagger and a knife The aimourer then excellent sword-blades which he made, and gave him the order to called Vetted Dand, who was well known in those days for the into a bag, sealed it up, and sent it to Court Ins Migesty [Jahangii] out of the oven When it got ecoles, the Collector took it home, put it aron, which was so hot, that it seemed to here come that rery moment hotter and erisper the earth became, till they alighted on a hot lump or The deeper they dug, the ordered to dig up the durat ground burned, and the soil was still quite hot. Muhimmad Sa'id then that the ground to about ten to inclve yards squite looked as u

swords, and not a trace of the bending nould remain When the

enterns power of these swords was compared with that of other

swords, they stood at the very head of all swords "

so isht, (lightning-natured sword) the name of Shamsher e gate' (cutting swoed), and Shamsher e dargthe weight of the meteorite was 160 tolahs. The two swords received that the burned ground measured 10 to 12 gaz, not cubits, and that everything else, was copied by the author of the Iqbalnamh—states The Tuzuk e Jahangisi (p 329)—from which this account, as

it took place on the 30th Earnardin (Akbar's Ean) in the morning. Regarding the time of the fall, the Tuzuk e Jakinghit says that

responded to Monday the 27th Rabi ulahin 1030, A H The Iqbalnamak and the Tuzuk state that the 1st Eurwardin cor-

but not, as we do, from midnight to mudnight. the fact that Muhammadaus reckon the day from sunset to sunset, the 27th Rabi ulakhn was a Monday—winch difference anses from to Sunday the 11th March, 1621 But the Tuzuk eleady states that 27th Rabi' ulakhir is the 116th day of the year, it would correspond Princep's Tables, on Thursday the 16th November, 1620, and as the Now the first Muhanam (New Year's Day) 1080 fell, according to

meteorite fell, would be Finday, 10th April, 1621, old style 12th March, 1621, and the 30th Farmaidin, the day when the Hence the 1st Farwardin (day-time) corresponds to Monday the

Tables, p 111), = 186 grains Out tolah weighs 180 grains Alder is defined by the standard of the standa The weight of the meteorite is mentioned to have been 160 tolahs.

Hence the meteorite would have weighed nearly 5 271 hs troy

hable that there was some admixture of stony mixter with the non ph the blacksmith 'erambled to preces under the hammer,' it is prometeoric iron in India From the fact stated that flie mass when worked have been actually observed, and pulhaps the only authentic fall of a It is particularly interesting as one of the very few falls of Lion which Notwithstanding the discrepancy in date this is obviously the same fall stated to be an Iron fall, 1621? fell with great light and noise." noticed under "1620, April 17, Jalindher, Lahore, 7 lbs (?) weight the Adrancement of Science for 1860 (Oxford meeting) this fall is by R P Greg, Esq, given in the reports of the British Association for The President and that in the Catalogue of Meteorites and Fireballs,

The President also and he had received tron Colos el II ushron Commissioner of Gooch Belian, a notice of m hilliant victor, chich re-was desirable to record

Colonel Hanghton says, (under date May 1-t) ' We had must-nificent meteor last night (April 30th.) It must, when retrical I think, have eroseed between the tail of the Bear, and elright star nessest to it. Its apparent size ness about hal moor's securish muster course, at a guess, from the W S W to L S E, colour less brilling, and more greened than the moon. Time about I p u

The most notable fact about it was, that during the list portion of its course, there was a ragged edge or dame—like the corons during the eclipse, I should think—irom the side opposite to its conrest.

V — Analysis of the Kleires Ileiconite, with an account of its fall, by D Wilder, Esq., (Libst, act.

The Metcoric stone of which I have made the analysis 7 is sent to me a considerable time ago by Mr. W. Stotesbury, of th. Top. 3rd-phical Survey. Other argent occupations have prevented in stone sompleting it until now. Mr. Stot. sbury 3rdes an interesting it until now. Mr. Stot. sbury 3rdes an interesting it until now. Mr. Stot. sbury 3rdes an interesting it. In the is somewhat uncertain of the date. In soft in the is somewhat uncertain of the date. In soft in the far iron Khetree in Shekarattee, Rapput in, and he kninged the stones come to the earth. The stone, submitted to may not see the stones come to the earth. The stone, submitted to may was similar in appearance to many of the samples in the Indian and Geological Survey's Museum a grey mass studded with sin ill inctillic globales, partly of a light blush grey colour, partly of a daket energy and with a nearly black crust

An attempt was made to separate the light-coloured part from the dark grey, and a portion of the light-coloured thus obtained ince from dark,—also a portion of the dark-coloured but mixed with some of the light-coloured and the light-coloured and the light-coloured and the light-coloured most inetablic non. It also contained all, or almost all, the cohalt along with mickel, while the dark part contained only, or almost only, nickel. The insoluble part of the dark-coloured portion contained about two-thirds of the chrome non, the light-coloured about one-third. In other respects they were ucarly alike, both containing about the same proportion of Sulphin and other contained about one-third in other respects they were ucarly alike, both containing about the same proportion of Sulphin and other contained.

Stituents, Patticulars will be given in the Journal stituents, Patticulars will be given in the Journal

VI — On the Ancient Copper Miners of Singhblum; by V Ball, Esq., B A, Geological Survey of India

The existence of copper ores and ancient copper mines in the district of Singlibhúm was first prominently brought to notice by Coloned Haughton, who published an account of the mineral resources of Singlibhúm in the Journal of this Society for the 3 em 1854. The result of this communication was, that some Calcutta merchants deputed Diemil Stohr to examine the ground, and a Company was formed in Finil Stohr to examine the ground, and a Company was formed in 1857 to work the ore. It is no part of the design of the present paper to discuss, or further allude to, the brief and unfortunate history of this Company, or of that which, raised on its mins, nick with a similar late

During the past season I have been engaged in an examination of the portion of country in which the copper-ores occur. Commencing to examine the copper-bearing rocks at the foot of the Chota-Nagpore plateau and proceeding thence eastwaids, I found that at nearly every point where traces of one occuired there are ancient excavations. These increasing in aixe, and being found in every conceivable situation, at the tops of hills, in valleys, in the thickest jungles, and even in the middle of cultivation where the rocks are obscured by superficial deposits My cultiosity was aroused as to who the ancient miners could have been, who have left such imperishable evidence of their skill

Before proceeding to detail the enquiries which I set on foot, and the conclusions arrived at, it will be necessary to allude to nhat, so far

as I have been able to ascertum, no the only published pain accertum.

Colonel Haughton trice "There n is no local it dition is it with the diggings had been nothed, and it vis is anticitied

or by whom the diggings had been worked, and it wis ratifically another they were really made for copper.

De Stohn, since his return to Univope, her published too papers, car in Suriche and the other in the John burth for 1551. In the senior in Muriche and the other in the John of angrests a connection between these relies of another the rock temples of Orise, and the rime of the tonne of Orise, and the rime of the time of the interesting and be also repeats the only tradition known to the interesting the time of the limit of the limit her her the conjectures that the inner in the limit in the limi

hoilet find he are the state of the state of

In Singlibhum proper, the replies to my queries were of the main. I lend Mo one could make the least surgestion as to who the main. Were, and with regard to the age of the mines, for merces, and with regard to the age of the past three, form of the general states. Fruit is a from the local Radies, either respectively the Koop Straight and the Moon of Straight and the M

the Thak they knew, I received similar replies

as to the ancient morbers, replaced that he did not have a not off the last of the ancient morbers, replaced that he did not have being the source of the Senaks cornectly possessed the country. The Benzie did the first of the first off the last of the last o

and Col. Dation, is I shall have to alloade to as an initior on Managina II. I are enabled to the Ecrales suggest al. I are enabled to the first of the transfer of the first of the transfer of the first of the transfer of

give a definite form to any queries. The result length as a line of the result length as a line of the result length as a line of the length and a

Bet of the Kaperguidee ghat, on the University and the confidence and

to the only the site of an ideal to an all lates of the only the officers of the only the only independently the officers of the only the old the old the old that a fight in old the o

* Vierelythissering de Namer element in 1865 (2000)

covered np

nust be accorded whatever credit is due to priority of publication. Dr. Stohi's interpretation is, that he must have spoken two languages, and was therefore a foreigner. Col Dalton to whom I communicated the story, has very kindly given its explanation as follows. "The legend " of the two tongues shews that the potentate, to which it alludes, must " have been a Mag, or one of the serpent race, there can, I think, be. " little doubt that by the serpent race, the Kols are really meant, and " it is not unusual to find the legend of two-tongued Rájahs " Kols, it is not unusual to find the legend of two-tongued Rájahs " mong them."

Hence this place has probably been inhabited by Kol Rájahs since the time of the Seraks, but whiether the copper was worked by the former, the latter, or by both, the remains at present to be seen do not decide. They consist of a ridge or most of clay which it is said enclosed the guil, but which now encloses and is itself enclosed by a ningle of remarkably fine trees with dense undergrowth. Close by are three old Serak tanks, and a great accumulation of copper-slag indicating that this must have been one of the centres of operations indicating the direction of the strike of the rocks ninch, from this point, trends to S. W. and S., old workings and slag heaps can be traced to many miles further, the last being about 3 miles north traced to many miles further, the last being about 3 miles north

of Kamerára, on the Midnapore and Bombay 10ad

All along this line wherever the people were sufficiently intelligent to reply to the enquiries, the mines were invariably attributed to the Seraks At Châtsillah, where the Dhalbhúm Rájah (a minoi) lives, I received the same information. Here I also heard of some remains at Kaira-Mounda, six miles east of Kumeráia. These I afterwards examined, on entering the village the eye is at once attracted by a number of lings of vitrified clay which are thickly scattered over the surface, throughout an area exceeding in extent that covered by the houses, on removing the surrounding clay and rubbish, I found that these rings were the sections of small furnaces which had become

The most plausible conjecture was, that this place was a depôt in which the tudely smelted copper, brought from the hills, was refined and prepared for market. Several tanks in this neighbourhood are said

to the immaces a numium age of 700 tert, but whitt Several respect toble vall. mention made of any definite age to have been the nork of Seraks Here for the in-t tim

might be much older

I did not risit. At Bond there is not tooks like th At Pamasoli there is a tank with a chatch in the regarded with a certain amount or ane, but no reveries ornanient of any kind, these are attributed to the S time, close by their nere tho or three alibe or ently of the jungle prevented more than a few rect in it le with which assection I was obliged to be entisted, is ridge of clay which was east to be the bind of m In the jungle east of the village of Khúre, I was j

It is due to the incient inmers to give them excite in have been bronglit from Pain food and to befoug to the pillar with cogged ornamentation, this is also or laterities

dere eventuo demant egale out dan elide gamma

peen toung' there are ancient exert attenat remote points in Mandham, the only ones it which They seem to have senthed the country with won but

exercitions may not have been enceted with mertume bhim as they at present stand, but a hether the very moment be entertuned in reteience to the exercise nothed with stone unplements, such a supposition that the ancient copper names therein described, n i.e. min a paper on Artha Perry, recently published a nd

Listian education that these maintaint described it is unbo-siple to decide

arrised at their present relative values copy of may becompour de l'emit du second in une difference de la configuration de nomiciffy where is every European administrator mixels Company to nork them non Not call could the east I peron it it does not by any memor tollow that it word

mit po speed on the subject, but it is a at a tech the These remarks are much in autriliance course, or is a precious metal

utterly destroyed all trace of buildings

communication to diseass the prospects of success which unning might

Proceedings of the Asiatic Society

nave at the present day

class of mythical individuals who, in all conntines, have pointed out the unknown discoverers of these productions must be relegated to that and gold-washing is earlied on by certain of the lower races there are in operation at the present day extensive potstone mines, the ancient copper miners is not usually obtainable. In Singibhiam evidence as has been given in support of the Seiaks having been In this country where there are no reliable records, even such

nutnial productions specific virtues of many diugs, and the particular properties of many

amongst the Hos and Blumiz that then country was formerly in bhum or the adjoining districts refer to the prevalence of a belief All the published ethnological papers having reference to Single-

possession of the Seraks

Sikiblishm and Paclicte . * * the oppressions of the Suravaks ended numerous and opulent, whose original country is said to have deen wake, a race of Bengali Brahmins (?) now almost extenct dut then Major Tickell says "Singhbhum passed into the hands of the Suia-

Col. Dalton has described several Jain temples and Buddhist emblems " then total expulsion from the Kolehan

exception of the tanks above mentioned, the mines fuinish the sole of which they must liave spent all then time and energy, as with the they were rewarded with the discovery of copper, upon the working turous Seraks, or lay Jains, having alone penetrated the jungles where ranges of hills which bound Manbhum on the south, the more advenhand the Yatis, or eleneal Jams, may not have extended beyond the visit Singibitim, lience the absence of temples. Or, on the other in his travels by the great saint Vira." It may be that Vira did not He considers it "prodadle that these shimes maik the course taken in subsequently Hinduized temples which are found in Mandhium.

Without the least desire to stretch or force an analogy, one cannot the Jains were driven out by the Hos more than 2,000 years ago

concerrable that the Hos, when they drove out the Seraks, could have

evidence of their occupation of that part of the country

Col Dalton* estimates that

It is scoreely

in several other countries is connected with mines and mining, or dut de struck by the ract that the lustory of the earliest Aryan colonies

disclose an Aryan settlement, fishing in its willon cances and norking historic Spain, and the earliest glimpses ne get at our own England, distant colony of the same 1.00 (Aryans) elearated aliver ore in preto quote the words of the author of the Annals or Rural Bengal "A

Within the last few weeks a papert by Mr Baneman, on Audin in the mines of Cornwall at

Պովելոե թչ լրգ the production being confined to a few localities very early period, when metals were of nearly uniform value, owing to extraoidinaily poor character of the ore, that they must belong to a to the probable date of these norkings, but it is evident from the Mi. Baueunan writes-" There are no inscriptions or any other guide the least modification be equally aptly applied to those of Singululum naces are described, many of the remarks upon ubich, might, nithout

mine and not a natural eavern." some time in doubt as to n hether the onter hollow was really an old has nearly every visible spot of ole been removed, that ne were for per was to be raised to several times that or gold * * * so perfeetly such deposit could possibly de worked now, unless the value of coppresent conditions of mining economy, it may be imply said that no Petran, has reached India, in it some ancient copper innies ind fur-

forward in this paper de for them to deerde what value is to de attached to the opinions put gaged in researches regarding the early lustory of this country, it will subject may have some interest for those who are at present enlittle known history of one of the Aryan faces. It is hoped that the

The above notes have been put together as a contiduction to the

Observations on the Temples of Razdan in the Lar Pelyunna, The reading of the two next papers --

Cashma, by Lieut-Col D J F Nen ill, R A

uge cound the world in Vers 1107-1165, by A L Clar, Esq., C S, India as described by Dionysius, the geographer, in his voy-

Arter the announcement of the newly elected members, the meeting was postponed

กอรมเกิดใจล

† Quarterly Journal of the Geological Society, Vol XXV Part I p 17 * Annals of Rural Bengal, p 91

LIBRARY

The following additions were made to the Library since the last

${f P}$ 1 esentalions

*** Names of Donois in Capitals

Traité E'lémentaire des Fonctions Elliptiques, par Di O J Biocli, 2nd Fase - Tue Author

Sud base - the Aornor

Uebei den Chaiaktei dei Pehlewi-spiache, mit besondeiei Rucksicht
auf die Inschilften, im Auszuge mitgethollt, von Di II Haug.—Tur

Author Mémones pour servit à la commissance des Cimoïdes vivants, par

M Sais,—The Author Aumalayas, by A M Cameron — Our Valleys in the Morth-west Himalayas, by A M Cameron —

The Author To I, No. 2, 3, 4, and 5, edited by Hemachandra

Buattáchár, a — Tur Borrété de Géographie, Févriei, 1869 — Tur Grogra-

PHICAL SOCIETY OF PARIS
The Anthropological Review, No 25.—The Anthropological

Sourery The Journal of the Chemical Society, January, February, and March,

The Journal of the Chemical Society, January, February and March, 1869 — The Sourry

Journal Asiatique, No 46 -The Asiatic Society of Paris.

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Abhandlungen fur die Kunde des Morgenlandes, Band V, No 2 -- Tae Sourery

Zeitschritt der Deutschen Morgenlandischen Gesellschaft, Band XXII, Heit, IV — The Society

Nyt Magazin for Maturvidenskaberne, Bind XV — The Sountry Forhandlinger-1-Videnskaber—Selskabet, Christiania, 1867.—The

Ohristiania University. Tre Akademiske Taler paa Universitetests Aarsfelt den 2den Setim-

lei, af M F Moniad.—The Sane.
Notice Statistique sur le Royaume de Norvége —Tue Sane.

Tres Peches de la Norwege, par H Banis -Tup Sam

1866, No 8 C, Anet, 1867, No 1 D, No 1 13, No 8 C, Anet, Norges Officielle Statistik Udgiren i Anict, 1862, No 2 C, Anret,

No I C' D' E' No 5 E' No 8 C-LIIF SIMF.

Metcorolografie Ingtingelact-1-det Sydlige Korge, 1863-61,65-66 -Motel Meteonologisk Anthog for 1867 -Tur Saar,

Meteorologiske Ingtengelen pan in Telegini-sintioner ved Zorges THE SAME

Meteorologiske Ingttagelser paa Christiana Observatorum, 1866 67 Keyst reducerede og sammenstillede of J. Astand -Tur Sim

Distonce Antuielle des Ciustacés d'eau Douce de Noriége, par G O

Bittish Burmah, Revenue Reports for 1867-68 -Tue Government Sais, Lie Lay -Tine Sizie

Selections from the Records of the Government of India, Home OF BENGAL.

Report of the Popular Education in the Punjah and its Dependencies, Department, Nos 67, 69, and 70 -Tul Sink

Report on the Administration of the License Par 101 1867-68 MAR AUT -- 80-7381 101

Records of the Geological Survey of India, Vol II., Part I -Tun THE SAME

Records or the Geological Survey or India, Vol II, Part I -The Palmontologra Indica, Sci V, No 6 and 7 -Tur Sane SIME

A Lecture on Persian Poetry and on Romantic Poets of Persia, by SUPERINTENDENT, GEOLOGICAL SERVES OF INDIA

A C Cameron -Tal Author

Pur chase.

Traite de l' E'ducation des Veis a soie au Japou, traduit du Japouais,

Commentan uber das Aresta von F Spiegel, 2 ter Bind. par la de Rosuy

Ill lov ,titulth-lo-ndI

Granmaire de la Langue Zeude

Tringactions of the Noological Society, Vol VI, part ? Sumpson s India Ancient and Modern, Part III

Comptes Rendus Nos 7 and 8 The Mumismatic Chionicle, 1868, Part IV Revue de Zoologie 1869, No. 1 Revue des Deux Mondes, Mais 1st, 1869.

Exchange.

The Annals and Magazine of Matural History, March 1869.

The Athenann for February 1869

PROCEEDINGS

OB LIFE

VEIVLIC SOCIETY OF BENGAL

ton July, 1869

fustant at 9 o'clock p u The monthly General Meeting was held on Wednesday the 7th

T Oldham, Esq, LL D, President, in the chim

The minutes of the last meeting were read and confirmed

Piesentations were announced-

ossified fingmientz of the skull show a great thickness, the other puts found while excavating for a drain in Kyd Street -The completely From H A Caggad, Beq, remnants of a human skeleton

of the extremities &c are normal

From Dr C, Machanara, a copy of a Manual of the clise ises Aneniometer, as noted during the storm of the 16th May, 1869 From Babu Copinach Sen-Facataile of the indications of the

From Babu Bholanath Chandra, a copy of the Travels of a ot the eye

Upon the proposition of the Piesident, 1 vote of thinks 11 is pared Hund to various parts of Bengal and Upper India, Vols I and II

The following gentlemen duly proposed and seconded at the last to the donois

meeting were balloted for, and elected ordinary members—

Lient J C Ross, R E

A V Muising Rao, Est

C 1 Lyall, Eag, C S

Robert Gordon, E-q., C E

S Pell, Kaq

A M Machini, E-q, C S

I Coster, Eag, M D

The following gentlemen are candidates for ballot at the next

W. Selbach, Esq., proposed by Dr. Stoliczka, seconded by Mr II. **___**&u139910

of His Majesty the King of Ondly, proposed by Mauly, Abdullatif Prince Jahan Qadı Mirza Muhammad Walnd 'Ali Bahadun, nephew Blochmann

Khan Bahadur, seconded by Mr H. Blochmann

The following gentlemen have intimated their desire to withdiaw

from the Society

A Mackenzie, Esq.

E B Hanis, E-q

G IA Chue, Esq , M. D.

Di E Bonavia,

Rev J Barton

withdiawal, but according to the piesent inles of the Society their Several of these gentlemen intimated some time ago then desire of Bábn Bholanáth Chandra

wishes could not have been earlier notified.

The following papers were read -

by Lieut-Col. D J E Mewall, (Abstinct) I,—Wotes on the Temples of Razdan in the Lar Pergunnah, Cashmin,

Pilgimages in Cashmii, which was printed in the Journal of the This paper is a continuation of an article by the same author on

Col Mewall describes in it the tuins of several temples in the Lan Society for 1866

they have not been described by General Cummgham Valley in Cashmin A peculiar interest attaches to them, because

himself These sketches are now in the hands of the artist, and will be The paper itself is accompanied by three sketches drawn by Col Newal

given in Part I No 3 of our Journal together with the paper itself

communicated by Col. J C Haughton, (Abstinct) - S O, oza, read the unid, verses 1107 to 1165; by A L Clax, Esq., O S II.—India as described by Dionystus the Geographer in his Voyage

sins Perregetes of Constantinople, which treats of India Mr. Clay has given in this paper the contents of a passize in Diony-

Enowledge of ancient India Mi Clay saysraiely consulted, because his descriptions do not materially add to our geographer lived at the end of the fourth century, his work is but

The lovely land of the Indi with the description of which Diony-

island" lying in the Eastein Ocean, nom which the first using of the sents the northern of no Ocean, —he also mentions a bloom sellen understood by lum, since he, in the commencement of his poon repreof an unexploied land to the east of the latter river nas doubtless graphy as nes between the rivers Indus and Gauges but the existence of inhabited countries, includes only so much of the India of our geosine closes his "Voyage tound the World," as being the most extern

veller " in a well-found ship" from Thile, neross the Seytlian or Aictic sun may be observed—this island, by the way, is reached by the tri-

with dreading briefing backs, and envernous gave down uluch the ous and whose surrounding waters are peopled with gigantic monstels, reland of the Britons, where the elephant of the East rooms undigenreland of Taprobane, to fabulous extent, interior in size only to the promontory of Kolins, called Aoime,† opposite to ninch lies the south, in which direction it is terminated by the lotty ser-naincid the Canearra for its northern boundary and the Erythman sea on the India, says Dionysins, is a country shaped like thisulas, intuing ros

before told us, Aera is intersected non Pamplizlin eretwind India, is a continuation of the long tange of Tanina by which, he his The Caneasus which Dionysius inches the northein boundary of poet says he would like to see all his enemies sailing

pillais, to maik the boundaines or the world and to commemorated his Ocean, at which point the god Bacelius is end to hive see up eno Emodes, the latter deing to the extreme east and terminated by the hun general ental out to case of the Infa enough out the enough

and Arram) is upon the Indus Strado places it by the best conice of this incr-Pille Lo. 21 and Or the Instead of the Instead of Libertander's crain usu (Cont. 13 enno V do omen r od ot A promontory of Greece nas also called by this name, which some think

Palo Smundus, und later Salo, marnet Corlon, Chou la come tun' it to ar t Send me Ser ind me selection of Service Send Send service services the service of the services of the servic [ull (trees, bord is Aornes (tapves) of T]

S Me Inaus is no mentioned by Brony sur-Sum tera. It is the covered by the flore of Alexander mayer Northern

oi the river is formed the Delta of Patalone . By the mouths Gednosi, who have on the const of the Erythnean sea division of the so-ealled range of Caucasus or Taurus,) and hom the who dwell at the foot of the mountain range of Paropanisus (a thud try of the Arian tribes of Orrtæ, Aribes, and linen-nearing Arachotes, thræan sea, separating the fertile land of India hom the barren counsays the poet, rises the mughty Indus and flows south into the Elytimmplis over the Indi In the valleys of the wind-swept Caucasus,

represented as rising in Mount Emodes and imming southwards to the enriam, g iollowers of the god Bacchus | The two last rivers are riferous and mughty rivers Hypanis; and Megarsus; live the Gar-(a wild and savage race of men). Last of all in the region of the au-Kophes live the tribes of Sabæ, g Toxili, | Scodir, T and Pcdealli* the tributary river Acesines. Between those three rivers and the Indus, their eastern limit being the river IIydaspes, where it receives eil to mand the bardaneest whom he places on the left bank of the by a variety of distinct tribes in various stages of prosperity, and begins Dionysins then relates how this remarkable country is inhabited

The description of India concludes with mention of a tract of fertile promontory of Kolis after watering the valley of the Ganges

phers agree, (2) Kophes, (3) Indus, (4) Hydaspes, (5) Acesines, (6) Hyarobis or Hydraches, (7) Hypraus or Hypr phera agree in placing the tributaries of the Indus, beginning from the West, 2 Hydaspes, 3 Acesines, 4 Kophes, 5. Hypanis, 6 Megaisns † Dionysius mentions the rivers in India in the following order * The harbour of Patala is mentioned by Pliny, Curtius, Strabe, and Arrian.

T Called by others Dardes, Daradres, (Plin Ptol)

Geodii, not known to geographera Diodorna mentions Sodir, living near § Called Sibre by others (Arran Strab Etat)

|| Should be Taxili, a people mentioned by Curina, Ptol, and Str, as living between the Indus and Hydaspes, having a town Taxilus, so-called from a king of that name

A city Peneslatius is placed by Pliny, Strabo, and others, between the Kophes and the Indus supur aug

anggesred tho latter are mentioned by Strabo, Attian, Plutareh, and Diodorus; Paudanda and Gangarida aro This mame is not found in other rerects A Not mentioned by other writers, probably the Zadadius of Prolemy T Represented by other geographers (Pling, &e) as running into the Indus. Alexander is said to nave reached this river.

" bog emes off quieson orle onw femand dathrif ent to shage sol in elgoed " || Dionysius says (577), "These people don't shout half as loud as certain

land along the Ganges, sanctified by the passage of Bacchus, "ho re said to have smitten that country for a neglect of his rates, and to have left beland a treat called the rosts of Neget

have left defind a tract called the path of Ny sca. Regarding the name Nyssa, Mr. Clay has the following remark. The plan of Nyssa, watered by the Ganges is mentioned in mother.

place (v 625) from a little and considered the geographics in place (v 625) from a little seems probable that the geographics in destrood that a place of that name existed somewhere near that inverse Myssa is universally known as the birthplace of Bacchus, by chiese (Arrian and Chitins, &c.) in India, but it the placed in Arabia, by others (Arrian and Chitins, &c.) in India, but it the foot of Mount Paropanisas The whole matter is also supposed to be merely allegories, as representing the sun ising in the Eist, and traversing the land of India the pillars put up by the god on Mount Emodes being the starting point in his course, and those at Mount Emodes being the starting point in his course, and those at Alacan and the African coast the final goal

It appears to me, at any inte, that the name Ayssa has left its mark in the word wluch signifies a state of drankenness in the languinge of

Hindustan"—
The connectence in sound of the name Ayssa, the birthplace of Breeling, with the Hindustan missal, drankness, is, at the first circlence is prizely accidental, for the Hindustan missal is the valgar pronunciation of the Persian mislakelan with the value is a corruption (kagaring) of the Alab stan mislakelan all the Alab is the allowed the skin Hence the Hindustan mislake is a recent

III - Notes on the Stone Implements of Durma, by W Theodald, Junior, Esq., Geological Surrey of India.

Muhamadan importation

The occurrence of stone implements in India, both of the paleochilic and neolithic type, is a fact u linch his now been made known some years, and each year scenus to add something toward, a more extended acquaintance with these interesting relies. But, excepting a short notice in the Proceedings to Jinly, 1865, (p. 126)? nothing that I am aware of, has been published respecting the stone implements found in anything and type, not only from anything found in Lidit, but from anything and type, not only from anything found in Lidit, but from anything found in sequences a complete here my account, I shall be obliged to report a ten of only former stateoneris

hitherto described from any part of Europe, though any implement yet found in Ludia, has its precise analogue in Europe.

and I was asked He 50 for it The iniplement was somewhat of the type, represented in fig. 8, pl IV, down here, authentic jade implements may be found in upper Burma ed, and that manily from its being made of jade, but though ime myself seen more than one stone mo-gio, whose authenticity I doubtof the mo-gro must therefore be spurious I have not, however, are in circulation, which from not possessing the characteristic powers as, no doubt from experience, they have discovered that many of them they delieve it to possess, but they subject the aiticle to many tests, erne, wo-dro'n the Buimese attach much value from the properties worked its way back again to the surface by its own recoil the course of a year, or so, the mo-gro will be found in it, having an earthen chattie, or other vessel, is inverted over the spot, that in The popular rdea is that, if a flash of lightuing is seen to strike and der-bolt, by the Burmese, and are believed to accompany the lightning original settlers in the country They are called "mo-gro," or thinupper Brima, (where these implements are said to be common) by the pointing, in my opimion, to their having deen brought down from with in the district where the implements themselves occur, a fact, either basalt, or some schistose 10ek, quite unlike anything to be met The material of which the Burmese implements are fashioned, is

the visceia and of the livei. administered internally is cousidered as a eure against inflammation of believed to be very great, and a small chip reduced to powder and Its medicinal viitues too ae untouched any house containing one down, send np a new shoot. It also guards from fire, which leaves one, the tiee will be killed and not, as is usually the ease when cut possessing the real mo-gro. Or it he ents down a plantain tree with is eutting a rambow in half, a feat quite within the power of any one fowls, or other eleatures, will venture uear the 110e. Again another test on a mat with a quantity of rice. If a genuine stone from heaven, no vulnerability in the wearer. Another test is, placing the mo-gio mo-gio is mainly valued from this belief in its piesence producing inor its contents, however, near the piece may be fied at, and the true in a cloth and fired at, no effect will be produced on either the cloth, One test of authenticity, the Burmese say, is that, if wrapped

All the specimens of stone implements figured except fig. 2, pl IV, which was from near Monlinein, were procured by me in the Prome district, east of the Irawadi, near the monties and below Prome they become searce, increasing in abundance,—to evelit intite testimony—above the frontier

The universal testimony of the Birmese goes to prove that there implements are prefixed up on the surface of the hills, in the helds or elearings made for enlitration, and I never heard of their being round elearings made for enlitration, and I never heard of their being round in the plains or anywhere, save on the hill sides, by the peas into gagged in elearing and eultracting them. This I think point, to their accordantal loss or abandonment by their original owners, in spots which supplied the wants of a long passed generation, as they do the pre-ent race Supposing, however, that the men who wrought these implements were ignorant of metal, or I may say mon, it is not easy to comprehend, how they were able to effect elearances, as the present race does, in the grantic forests of Pegn, assuredly heavier and more difficult to cope with by feeble men then, than now, and without elearing the forest, no enlivation would be possible in its umbrigeous recesses

On the question then, whether the makers or these stone implements possessed non also, depends, I thunk, the right determination of their descring the bill sides sufficently for the cultivation of esteals, then I should medine to regard these stone relies as agricultural implements, need in hand agricultine, at the end of a stick, as a spade, to form the shallow holes in thich the "hill rice" is even now sown by the Karens and Burmese in their film the "hill eleminese II not explained in this manner, no innet then regard them as weapons of the chase and nai, though this nee v., I think, negatived by their thoroughly medicient character for such purpose negatived by their thoroughly medicient character for such purpose.

Doubtless we shall be in a better position to argue their uses when

Doubtless we shall be in a better position to argue then uses u hen a larger collection has been made, and any present remarks are, therefore, only tentative and designed to cheet additional internation.

The most remarkable specimens, which seem to delong almost to another class of weapons nom the rest, are those represented in figs. In and 2 of pl III

Fig. I (pl. III) is now in London, where I took it to comportion, and a very simil is implement not quite so messive, but or the identical tops, and the clinists. Muscum, period Sumatra,", and the substitution is the only

the surface change of colour in the stone from atmospheric action into my possession for medicinal purposes, which is sufficient to display little sciaping it has been subjected to by the natives before it came Its eutting edge, however, is perieetly worked down and entire, save a evidence of its chipped, or primitive stage modificated by grinding. It is of basalt, worked periecely smooth, with here and there, the other specimen, I could find in England, approaching it in character

have been found in the Prome district. It is the only one oi the type I ever earr in Pegu, and was said to be considered I think as a "chisel," and not a field implement much the same material as the last, a fine grained basalt, and may and polished, the top suitace is an unground iractine I judge this was the ease, as whilst the sides are squared two longer have suffered fracture across the neck, which may have been an inch or Fig. 2 (pl. III) is a remarkable form, highly finished, but seems to

owners for medical use. though many of the chips are of recent origin, and made by the Burmese West of the Iravadi. Many of these implements have seen bad usage, British Museum, there is one of this type, presented by Capt Duff from commonest type and somewhat variable as to shape and size The specimens agared on pl III, ag 4 and pl IV, ag 1, are oi the

ior digging holes, for which their shape of edge is well adapted. to the idea of their having been fixed sortically in a handle and used shoulders would have been useful, but nom their lightness, I incline Thus fixed, the handle at ught angles to the back and iront plane but not on the former Or they may have been fixed hoe-wish with the all specimens of this type would, on the latter supposition be of service, as back to front. The shoulders which, are so conspicuous a feature on vertically in a handle at light angles to the edge, but in the same plane think that they were used as implements for digging, and were fixed in a handle parallel to the cutting edge. I, however, rather meline to It used as offensive weapons, we must suppose them to have been set

Eig 3, on pl IV, represents a type not very common, and not unas the last, is not raie, and the two pass into each other by intermediate Eig 4, on plate IV, belongs to a type which, though not so common

like some of the unplements found in Behar, though the nearest to it

that I have seen, have alteady deen pointed out above

Big 3, on pl III, belongs to a cupious type or uhich I have only seen one specimen, and it seems probable nom the rariety or pattern displayed in these implements, that each type was asknoned for some special purpose

All the above specimens have once deen finely ground and linished, though from the nature of the material employed and subsequent exposure and use, some are fresher as well as more periest than others. The specimen has been recently broken by its discoverer, in picking the specimen has been recently broken by its discoverer, in picking the specimen has been recently broken by its discoverer, in picking

other specimens of not an uncommon type, and which vary in size, self-consens. The four common type, and which vary in size, self-consens.

Other specimens of not an uncommon type, and which vary in size, also occur. The form resembles that represented in hig. 4, pl III, but they are not so regular, one is much flatter and on the edges rather injured. Another specimen consists or some schistose rock, split and roughly ground down, and the working of the lashings, used to fasten the handle, often leave traces on the side, nich in the resent specimen are electly seen. From its shape I think this type was probably impacted intehet-wise in its handle and used to entting, and that specimen has evidently seen hard nange.

Fig 2, pl IV, represents a rough, scout, wedge-shaped unplement, of which I have nover seen another, and belonged to a man near Monimen who declined to part with it

The above are all the types of stone unplements I have noticed in Pegu, though their form is very varieble, inuch more so than the Indian " eelts". The great bulk, however, of those noticed by me belong to some variety of the types represented in fig. 4 on pl III, and figs 3 and 4 on pl IV, the entire unmber or all types n lich I have observed in Pegu amounting to 50, or thereadouts

I may mention, that I picked up somen here near Jabalphi,, reoughly shaped stone spindle whoil,* or neight of corpstone, the bappe of an India-rinbber-ring, the margins being broader and thicker. At the time I had no suspieron of its interest. Since then, however, I have seen precisely similar articles in European collections, and livia no doubt, what I throw away was an authentic antique spindle neight, as I think they are considered

* It resembles in form the specimen figured on pl 1 of the Proceedings for

I have also at this opportunity sketched, pl. IV, fig 5, a fragment of a Brass Celt which was shown to me near Moulinein, and was regarded by me as of doubtful authenticity

A short discussion followed the reading of this paper

Dr Stoliczka said that one or two of the forms of implements with uniformly attenuated sides (fig. 3, pl. IV.) appear to have their perfect analoga in the later stone age of Europe, where polished stone implements came in use, instead of the older inde ones. The nature of the clearances or the like purposes in the jungle, and Mr. Theobald's suggestion that they were more likely employed in rice cultivation is no doubt much more probable.

The President drew attention to the very peculiar form of these implements, being evidently manufactured for certain purposes. Their most remarkable appearance, quite distinct from European forms of the kind, consists in the sharpened edge on one side only which most of them possess This, he believed, has not been noticed in any

ot the implements found in Europe

IV — Notes on Indian Mollusca. Descriptions of new species of Displanmating from the Khasi lills, by Captain H Godwin-Austen, F R G S—communicated by Dr Stoliczka.

Captain Godynn-Austen has for years given attention to collecting landshells in various parts of India, and to cariefully observing their animals. He has contributed several interesting novelties to Mr. W. Contributions to Indian Phalacology." Interpy, however, Captain Godyin-Austen obtained a large number of new species in the Khasi hills, and this has induced him to open with the present contribution a series of papers "on Indian Mollusca". Four new species and a very interesting variety of Mollusca." Four new species and a very interesting variety of regarding the animals of these species are especially interesting, between the animals of the animals of the author. The notes regarding the animals of these species are especially interesting, because we as yet know very little of the animals of the Cyclostonaers,

and allied forms

V —Contributions to Indian Malacology, No XI Descriptions of new species of Paludomus, Cientaconchus, Cyclostoma, and ot Helicidæ from various parts of India, by W T Believed Esq., A R S M, F & S, &c

Dr. Stoltezka laid on the table the benutinally executed diawings accompanying the paper. Among the 18 new species noticed, several belong to Nanima and Glessula (Achatina), the latter chiefly are from the Khasi, and Cachai bills. The prper also contains shells, are from the Khasi, and Cachai bills. The prper also contains notes on several little or imperfectly known species with regard to shells, as well as to then animals

In answer to a question put by the Rev J Loug, n hether he had examined all the Mollusca occurring in lower Beugal, Dr Stolicake at ited that he had seen a great many of them, but it would not be possible to give for some time a satisfactory account of all those he had examined. The anatomical details require a lurge namber of illustrations, in order to be perfectly intelligible, and the same may be said regarding the animals themselves. This involves a great expense, and it will be chiefly on this account that the work can only be and it will be chiefly on this account that the work can only be

Dr St also remarked that there are probably tew places in the north valueli offer so many remarkable Mollusea for examination, as the Sundan banes. He alluded to the great variations which some organs appear to undergo by changes affecting the labit of the annuls. In one and therefore possess gills adapted for breathing in vater, this respiratory organ seems to have altogether disappeared, hiving been entuely replaced by lungs. This species, Critical a obtain, olderwhole, occurring generally on maddy banks all throught the Sandarbans, dies when that he was most anxious to examine regarding this tolder observed shange some other specimens of the same species also occurring along the Aliacan coast, in places where gen-water has full received.

These species of Litroniville, occuring at Port Cuming on maddy along the Aliacan coast, in places where perils and on trees and bushes near the river are, in this includy banks, and on trees and bushes near the river are, in this infectivity

equally interesting, and so is also the animal of Mi. IV. T Blanford's Chemioconchus Syhadrensis; but all these possess galls, though they gradually become indimentary and ultimately no doubt will disappear Changes in other organs are similar to those just mentioned, they progress very gradually The morphological studies on these subjects will be in every respect very interesting and important for the zoologist and in particular for the conchologist

VI — Extracts from letters addressed to Bard Ratespracts of certain papers lately published by him; by Bard Ratespracts of Mitters.

Adverting to his paper on the relation which formerly existed between the ancient verglits of Southern India and Scandinavia, Protessor Holmboe says, "While looking for corresponding terms for the verghts of Southern India and Scandinavia, I have discovered that in the middle ages, there was current in Russia a griving that is to say, the 'small griving,' when the Russians adopted a ib of two gritched. There have been found in Russia a great number of bars of sliver, the weight of virona, when the Russians adopted a ib of two gritched. There have been found in Russia a great number of bars of sliver, the weight of which is equal to the mais of the ancient Scandinavians, and as among them rings of the same metal represent a demi-maic, so in roubles—a name which was gradually used to designate the Russian toubles—a name which was gradually used to designate the Russian dollar of a smaller weight

"In another Memoni I have demonstrated that the resemblance of the sepulchral mounds of Norway with the topes of Asia, concerns principally the series of 10cks which surrounds the base of the monuments which formerly contained images of the Linga of there are preserved in our museums some specimens of the Linga, found under ground, and made of white marble or of a whitish calcareous stone. I have spoken of these in my memori on the traces of Suarsme in Europe, and given diavings of them".

In a Memoii on the figure of a boar on Gallic and Indian coins, the author notices the similitude between certain accessories which accompany them. On the Gallic coins, the boar is placed at the end

under the earth

On other come the boar is accompanied with a dart or a finite as in other come the boar is accompanied with a dart or a finite as in other comes the boar is accompanied with a dart or a finite as incompanies that the two races of the comes are collowed a common prototype. It would perhaps be an obstacle to this hypothesis that they were so widely separated by time and distance. The dynasty of the Chalutyas of Dekkan who adopted the type of com which we allude to, is known but mome the beginning of the Median and consequently not far from the countries to the north of the Median of their ancestors had railed in the countries to the candle of the Indo-European race as well as of others

In another essay, that on some lately discovered sepulchral tunult, candle of the Indo-European race as well as of others

En another essay, that on some lately discovered sepulchral tunult, another essay, that on some lately discovered sepulchral tunult, be to a mander of a number of tunult in Scandinaria in which cells and several is the lay after giving a list of a number of tunult, placed partly housenfully side by side, and a new bear discovered, placed partly housenfully side by side,

veryed tot a long time before getting a resting place in a monument, or thesis, Mr. Holmboe ertes miny examples of relies which had been preone monument was a common custom. As supports to this hypoextraordinary, we may suppose that the placing or diverent relics in ment, and as the narrator does not describe this and as any thing avail themselves of the oceasion to deposit them in inagnificent mounhad preserved the renes of a namber or dead or their fruil) ru order to This unrative leads to the conclusion that a great number or persons thousands of relies were deposited by the people on the principal cell eentary detore our era, and deposited the relice or sames in lie cell, thagamani's having laid the toundation of the monument, in the second vanso (Tuinour's Translatiou, I p 29,) iclates that upou Rela Daudescription of the erection of the Mahastupa or Ceylon. The Maha-North, and Mr. Holmboe finds the solution of this peculiarity in the more than one cell and one win, the same as in the monuments of the It is known that in them there have been discovered tumult of Asia their accessories, should be sought by comparing them with the topes and obiaion, he thinks that the explanation iegaiding these tumili and The author, however, does not participate in this Particular family destined to receive each the remains of the different members of one logists of the North are ordinarily of opinion that such tumuli are and partly vertically at different heights, remarks that the archivo-

but sometimes to different imilies plurality of relies in a monument is not always due to one family only, they could be finally deposited. Hence it is to be supposed that the where, waiting for the occasion of the election of a monument where their dead, they could without inconvenience preserve the relies some-In pagan times, when the Scandinavians had the custom of burning

Babú Piatápachandia Gliósha exhibited a magnificent Persian MS.

(Translation, p 102), for the ignous Mir Mi, according to a statefamous Mir Ali oi Harat, who is mentioned by Abuliazl in the Ain the writing is truly beautiful, the copyist does not appear to be the ISSS A D.) at Bukhárá by a copyret of the name of Mir 'Ali Though Mr. Blochmann said that the MS. was written in 945 A H (or of Jami's Khiradnahali-i-Ilhandari belonging to him,

The MS also bears on the Ay-leaf the autographs of Jahángir and ment in the Mir-diul' A'lum, died in 924 A. H.

Spahladan They are—

الله اكبو

حيالكير ال اكبر بادشاة درخط اول در تصرير سيويم (sic) * بلجم أدر سنة داحل كتالخالة اين يارمده دركاة ألبي شد حروة ذروالدين

Allahu Akdan 1

es the third page of the pictures. den Jahangir son of Alda Padishah, on the first page of the AlS., and of this adorer of the throne of God. This has been written by Ain ud-On the fifth Arar of the first year this book was put into the library

سم الله الرحيم الرحيم

ه مشر الله ميرو الإيما مقرر شد ه شياب الدين محمد شاة جيان پادشاة اس جهاكير باد شاة س اكبر پادشاة كه وروجلوس مبارك است داهل كلا العالمة اين ينازمن دركالا شد حرزلا وللجهم عالا بهدن الهي صوافق هشتم شهر حمادي التالي سنة ١٩٠١ فجيري حسيه نجاية حسيله يميم كالمرمحد كابال لمنشك عد رعايد للمداي الماي الماي

In the name of God, the merciful, the element

of Alulia Alir Ali, uas put into the dibany of this adorer of the throne This copy of the Khindhainnhi-Silandn's, which is a master-prece

on the 25th Bahman [of Alban's Kia], corresponding to the 8th Jumaha II, 1037 A H, which is the auspicious day of my accession This has been written by Shihábuddin Muhanmad Shah Inham Pahashih, son of Akban Padishah-i-Ghuzi The

value of this doole has deen fixed at this es thousand rupees Jahángukur's handwiting looks childish and still, Which contesponds to the autograph in the Pádishahnámah

of the Society, is written in a clear and current hand
Jahángu lad early commenced to read "He got lus fir-t lesson,"
says Badáoni, " on the 22nd Rajab 981 [when the prince nas four years
old] His teachers were the prous Mandáus Mir Kalan, the Madis
collector (muhaddis) of Harát, an angel in human shape, and Mirán
sháh, son of Mir Jamáluddin Muhaddis The first lesson consisted
in learning and writing the formula—

سم الله الرحين الرحيم علم القرآن

المام المن الرجعال الرجيع منها المدال

In the name of God, the mercyll, the clement, he has taught the Rockn."

The use of the formula Allehu Akhai has been explained in the "Sin The use of the formula Allehu Akhai has been explained in the "Sin Compound of (wide p 166) Jahängri's religiou was an extraordinary compound of Islâm, Uniduism, fire-worship, and their superstitious ideas, and of the sometimes speaks of his fither as a saint or prophet, and of the sun as God, he confirmed the Hindú practices introduced at Court by Alebai, he uses of dying Minhammadans the phase day jahannam raft (he went to Hell)—which Muhammadans the writers apply to Hindús, he had been for forty years in opinin eater, and was a drunkaid from his sixteenth year.

* Inhángú says in his Memoirs that at first ho drank sweet wine, then lating a dauth, or doubly distilled arrach, increasing his dail, quantum in the course of mino years, to the cuty population or six Hindustania, a then he was sared from death by Human, the Court doctor, who during the following evens sared from death by Human, the Court doctor, who during the following evens innited the allowing event piyuluka. The duly quantity of quantity innited to gratis.

Akbar's two younget sons died of delivium tremas. The name Historians of dramkenness among Muhammalian and Historian countiers, before the arrayal of Europeans in India, which, from the soher habits of the middle classes of both races, one nould seincely expected the middle classes of both races, one nould seincely expected from the school for the middle classes of both races, one would seincely expected from the school for the first time in his hie, a cup of nine, to oblige his recyal father of $n_{\rm mid}$, pure the first time in his hie, a cup of nine, to oblige his recyal father of $n_{\rm mid}$, pure the

Shahjahan, on the other hand, is looked upon by Muhammadan historians as the reviver of the Islam at the Moghul Court He abolished most of the Hindú ceremonies, and the sizdah, or prostration, which Akhar and Jahángir had enforced "When His Majesty [Sháhjahán]," says the Pádisháhnámish, "monnted the throne, he discited his imperial care to the re-introduction of the customs of the Islam, the strict observance of which had died away, and turned his angust zeal to re-building the edifice of the law of the prophet, which angust zeal to re-building the edifice of the law of the prophet, which

This explains the Muhammadan formula which Shahjahán has put

over his autograph. In conclusion, it is worth noticing that the autograph contains Shahjahan's own statement regarding the day of his accession. The the all 'dlam, and the Padishahanank refer likewise the accession to the eighth Junada II, but Chait Chan, whom Elphinstone follows,

II abemut dinses edt esvig

LIBRARY.

List of books, received since the last meeting.

** Names of Donors in Capitals.

Pi esentations.

Jahr Ducher der K Central-Anstalt fur Meteorologie und Endrange 1848
End-magnetismus, von K Kiell, Band I-VIII; Jahrgang 1848

Веорасріппуст Уплана Вентина Вет Пота Вентини дет Вотагопя-

elemente der Sonne, von Dr. J. G. Bohm —Tne same Einfluss des Mondes auf die Horizontale Componente der magneti-

schen Bidkraft, von K Kreil—Tue same Variationen der Declination dei Mognetnaded beobachtet in Krakan,

Variationen der Dechnation der Magnetnaded beobachtet in Krakan, and Trasan.—The same and Trasan.

Ueber die ewigen Gesetze der Matur, die Einsachheit, die Einslieit

und das allmahliche Uedergehen, von Dr. Boué —The sane Ueder den taglichen Gang der vorzuglichsten meteorologischen Elemente ans den stundlichen Beobachtungen der Prager Sternwarte adgeleitet, von Dr. O Jehnek —The same,

Die Algodon-Bay in Bolivien, von Die F von Bibra - Tin - 1711 Einfluss des Mondes auf die ungnetische Declination, von Di. C.

Kicil —Tide sines meteorologiselien Boobichtunges-zystems im die

Osterreichische Mounichie, von C Kieil —Tim sand.

Orographisch-Hydrographische Studien uber das Gebiet des Oester-

reichnsehen Kaiser-staates, von V Stiefflen - Tur sine den Kupr-Beieht ubei das Ridbeben am löth Jimer 1858, in den Kupr-

then und Sudeten, von L H Jenteles -Tue sine Maleitung zu den magnetischen Beodichtungen, von K Kieil -

Hub sind The single sur Constinetion selbetiegrafinender meteologiacher

Apparate, von Di C Jelmek —Tur sinit Haren Lungen und doren Aurenel-Einiges uber Wasserstands—Beodachtungen und doren Aurenel-

nung, von V Stiestleui -The same Die Holienveilultuisse Siedendurgens, von G Binder -Tur -tui Beneht ubei die K K Centiel-Austit im Metwieleur mul

Beitelit übei die K Cential-Anstalt im Aeteorologie miel Eid-magnetismus, von K Kierl —Tur sami Usbrereliter dei Jeliese und Nonsternitiel aus den nichten der

Vederziehten dei Jahres, und Monrts-mittel zus, den nintend einen Zeitraumes von 20 Jahren in Kentherg fortgenuhrten ineteologischen

Beodachtungen, von Protessor Kunzek — Tur same Beitcht ubei das von der Kaisil Akademie be-ehlozeute meltoio

logische Unteinelmen, von Prolessor Di Kunzelt – Tur erur. Beiting zur Klimatologie von Cential Airila, von dem W M

Director Kieil —The sanganiseden Tangentendoussole, von Di

V Pieite —Tale same Unter and Atmosphaische Ozon, von P A Re-l-

Veder eine Methode, die Spannkraft der Dimpie in dei Lait direct

on meesen, von Dr V Pierre —The same Ueder elektrische Lampen, von P Pekarek —The same Taieln zur Vergleichung und Reduction der in ver-chiedenen Lui-

gennassen abgelesenen Baiometerslande, von J. J. Pold und J. Schrbus — Tru sva. Schrbus — Tru svaneter von K. V. Sonklu — Tur sva

Ueber die Antur und die Wirkungen der Wildbache, von V Stre-

arcas an T — moss

phaischen Luft, von J. Pless and D. V Pierre. The same Beitiage zur Kenutniss des Ozon und des Ozongehaltes dei atmos-

Saccharimeters zu chemisch-technischen Proben, von D. J. Pohl Ueber die Verwendbarkeit des Mitscheilichschen Polarisations,

Ueber den Gebrauch des Thermo-Hypsometers zu chemischen und -Тив замв.

Taieln zur Reduction des in Milimetern abgelesenen Basometerstande physicalischen Untersuchungen, von Di J Pohl -The same.

and J. Schabus.-The same aui die normal Temperatur von Oo Celsuus berechnet, von J. J. Pohl

J Pohl and J. Schabus -Tue same. Taiel zur bestimmung der Capillardepression in Baiometern, von

Ueber Sielietheit barometrischer Hoheumessungen, von A. J Pick.

Die geographische Verdreitung der Gewitter in Mittel-Europa in -,THE SYME

Jahre, 1856, von Di M A R Prestel.-Tur same

Berucksichtigung der Isolation und Fenchtigkeit, von K Fritsch auf die Zeiten bestimmter Entwickelungs-phasen der Pflanzen mit Untersuchungen uber das Gesetz des Einflusses der Luittemperatur

meteorologischen Elemente an Gewittertagen, von Di K. Fittsch. Ueber die Storungen des taglichen Ganges einiger der wichtegsten THE SAME

Anleitung aur Ausfuhrung von Beobaclitungen, von C Fritseli — THE SAME

THE STRE

Ueder die constanten Verdaltnisse des Wasserstandes und der Beeisung Meteorolograche Tafeln fur Prag, von C Frrtsch.—The same.

abhangig sind, nach mehjalingen Beobachtungen, von C. Fritsch.der Moldau ber Prag, so wie die Ursachen von welchen dieselben

Ueber die Temperatui-Verhaltnisse und die Menge des Nieder-THE SYME

Wertere Belege fur eine seculare Aenderung dei Lusttemperatur, schlages in Bohmen, von K Fritsch -- The same

von K Fritsch -- The same.

Die Liehtmeteore in der Atmosphare als Vorzeiehen von Zieder-

direction, mitgetheilt vom hohen X Staats-ministerum —Tui. zusammengestellt durch die K K Oberosterreichische Lindeshanbaren Flussen in Oberosterreielt von den Jahren 1572 ineliisive 1862-Uedersieht der hoelisten Wasserstande an den vorzugliehsten schiltschlagen, von K Fritsch -Tue same

Reisederieht aus Chartun vom Löth Octoder, 1852, von Di Meug-SYME

akas ant-- mi

hend aus 18 Katten, von Di Ami Boue -Tue sine tiseh—und ethnographischen Atlas der europaischen Turkei, desteund einen der K Akademie uberreichten geographisch-geognos-Bemerkungen uber sein Werk ia Tus guie d'Eusope etc Pars 1810

nningen genauet als die jetzt deodachten zulassen, von Di Bone — Ueder die Nothwendigkeit die Erdbeden und vulennischen Dischei-

Eisverhæltuisse der Donau, beobachtet in Pesth in den Jiliten THE SAME

Ueder die Wirkingen der natuilichen Blektizeitet auf elektro mig-1847-49, von Profes Dr J Atenstein -The size

Ueber Leitkinst der Erde fur Elektricitæt, von A Baumgartner netische Telegraphen, von A Baumgartnet -Tue sine

THE SYME

Veder die Aenderungen des Magnetismus unter dem Liniluzie der Grosse und Danei des Stiomes, von M. Benedilit -Tur sint Veder die Abhængigkeit des elektrischen Leitungswiderstande, ton

elektriselier Vertlieilung, von M. Benedikt -- Tire 5.23E

Guntneriselieu Golie, von Dr J R Loienz -- Tile 514E Physicalische Verliedenisse und Vertheibung der Oiganismen im

der Mai, oder in Penzgau, Pougaa und Lungan, 1 on Proise Dr J R. Versumpfungen in den obeien Flussthalern der Salzach, der Eunz und Vergleichende otographisch-hydiographische Unter-nehnng der

Biakwaszer-studien an der Elbentundnug, von Dr J R Lotens --Lorenz - Tue sine

Natury Classe, IV. Jahrgang, 1867 No I-XXX and Jahrgang 1808, Anzeiger der Kriseiliehen Akadenije der Wissenschaten, Mah THE SAME

aws ant-XI-I on

Ueber das Verhalten und die Vertherhung der Windvertbæltnisse am Cap fache der Hide, sowie insdesondere uber die Windvertbæltnisse am Cap Horn, von F von Wullerstorf—Urban —Tur sam

Ueber das Magnetische Observatorium in Kremsminister und die

vom Jahre 1839-50 aus den Beobachtungen abgelerteten Resultate, von P. A Resihuber —The same

Eiste Eigebnisse der maguetischen Beobaebtungen in Wien, von K

Клел — Тив алля сеп таупейвейен Веобасћешуса zu Prag, von K.

Kiell—Тив sand Resultate ans funf-monathlichen Beobachtungen in Chartun, von

K Kieil —The same
Magnetisehe und geographische Oits-detsimmungen an den Kusten des Adiratischen Golfes in Jahre 1854, von K Kieil —The save
Untersuchungen ubei das Gesetz des Einflusses dei luft-temperatur
auf die Keiten bestimmter Entwickelungs-phasen der Phanzen mit

auf die Zeiten deskimmter Entwickelungs-phasen der Phanzen mit Berueksiehtigung der Insolation und Feuchtickeit, von K Fritsch—

THE SAME.
Strangsberichte der Karserliehen Akademie der Wissenschaften Math-Matury, Classe, Band LVI, Helt II, eiste Ablitheilung, Heit III II.2 Heite IV-Y, I-2 Band LVII Heit I, I Abtheilung Heit II

Abth 1, 2, Heft III, abth 1-2 —Philos Hist Classe, Band LVII, Heft III, Band LVIII Heft I. 2-3, Band LVIII, Heft I.2 —Tue sam Archive fur Ocsteriorolische Geschichte, Band XXXVIII, Hælite 2

Band XXXIX, Hælite 1-2 —Tnz sanz Denkschriten der Karseilichen Akademie der Wissenschaften, Math-

Matury Classe, Band XXVII and XXVIII —Philos. Hist. Classe, Band XVII —Tue same

Almanach der Kaiserlieden Akademie der Wissenschaften, Jahrgang 1868 —The saue

Tabulae codicum manuscriptorum practer Gracos et Orientales in Bibliotheea Palatina Vindodonenies asservatorum, volumen II—

жегье der Osterreichisehen Fregatte Movara, Authropologiseher Theil

von Di A Weisbach —The same Atti della Reale Accademia delle Scienze di Turino, vol III, Disp I-8.—The royli Academy of Scienze of Turin

Memorie della Reale Accadenna della Scienze di Turmo, 2nd -erre-

vol 24 —The same. Catalogo delle Leoneidi o stelle meteoriche del periodo di Novem-

bre —The same

Journal of the Chemical Society No for March 1869 -Tur Ciri.

CAL SOCIETY OF LOYDON Society, Nos 109 and 110, 1869.—The Proceedings of the Royal Society, Nos 109 and 110, 1869.—The

Roxal Society. No. 1863 — Proceedings of the American Philosophical Society. No. 80, 1863 —

Proceedings of the American Philosophical Society, No. 80, 1868 — The American Sourry

Bulletin de la Soeiete de geographie, Mais and Arill, 1869 —Tin.

GROGRAPHICAL SOCIETY OF PARIS
JOURNAL ASIAtique, December 1868 and January 1869 —The Asia

TIC SOCIETY OF PARIS

Verhandlungen der K Geologiselten Reichsanstalt, Nos 7 and

11, 1868 — The Luperia, Grologischen Reichsanstale, Nos 2 und 3, 1869
Jahr den K K Geologischen Reichsanstale, Nos 2 und 3, 1869

Verliaudlungen der Kaiserlich Koniglielien Zoologiseh-Botanischen

Gesellschaft in Wien —Tun Lupr. Zool. Bor Sooikry of Vir.

The same

pflanzen welche in Koeh's Synopsis nicht enthälten sind, von Di A. Meiheieh -Tur saur

Bertiag zu einei Monographie der Seininen, von J Winnert-

India as represented in the Hymns of the Rigveda, by J Jim -

The author.

Diseases of the Eye, by C Maenamaia —The author

Travels of a Hindoo, by Bholan with Chunden —Tur at rios I Lode. Polessional Papers on Lichar Engineering, by Major J de Med-

ley, R E -The Editor Hemsehandra Blattuchitza -The Ramayana, vol I, P. VI, by Hemsehandra Blattuchitza -The

The Hill Tracts of Chiffigung and the dwellings therein, with com-

parative Vocabularies of the Hill Dialects, by Capt T H. Lewen.

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its Dependencies, N S No. 2 — The Benchl. Government

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Report on the Results of the Administration of the Salt Department

during the year 1867-68 —The Bengal Government, second series, vol. II,

Selections from the Records of Government, second series, vol. II.

Results of a Tour in Dardistan, Kashimi, Little Tidet, Ladak, Zanskui, &c., by Di G. W. Leitner, vol I, Pt I-2 —The Punlas Govr.

Purchase The Annals and Magazine of Matural History, Vol III No 16, 4th

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Comptes Rendus, Tome LXVIII, Nos 9 to 14, 1869. Journal des Savants, February, March, 1869

The Quarterly Journal of Science, No XXII, 1869.

The American Journal of Science and Aits, Nos 139 and 140, 1869.

Revue et Magasın de Zoologie, Nos 2 and 3, 1869.

Revue Archeologique, March and April, 1869

Revue des deux Mondes, 15th Match, 1869

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Sanskrit Worterbuch, 39 Lieserung, Bogen I-10

The Indian Medical Gazette, Vol IV, No 7, 1869.

Dictionalies, by Zenker, Helt XIII, Bogen 121-130

Ouginal Sanscrit texts on the ougin and history of the people of sulfit along the people of the peop

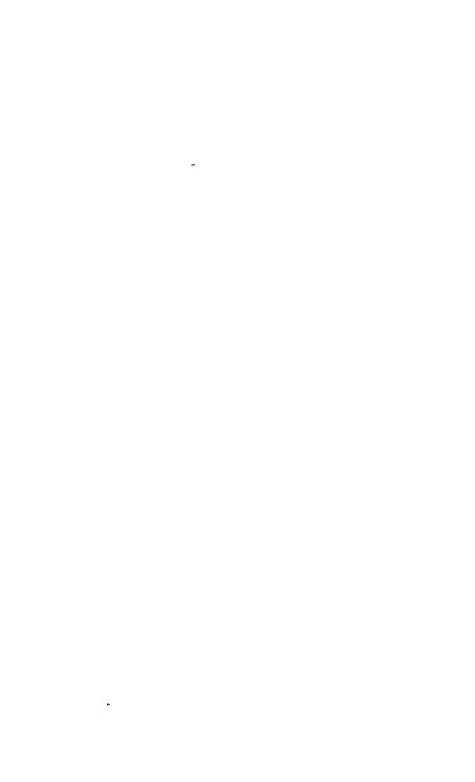
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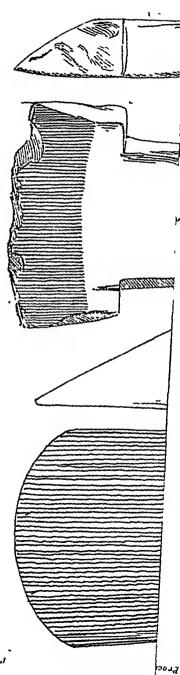
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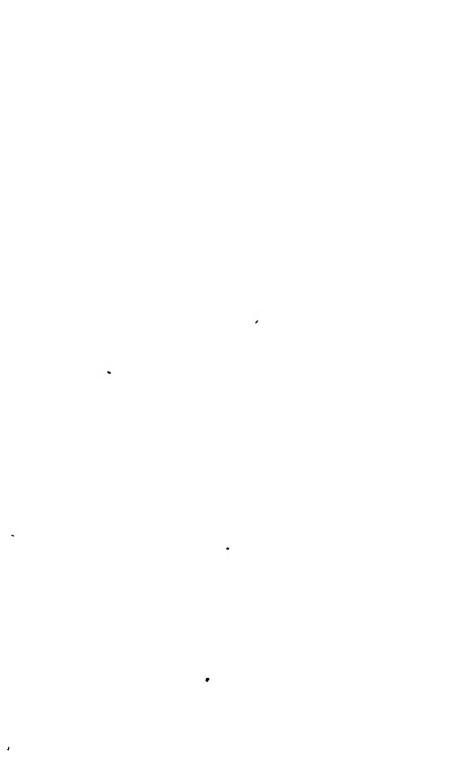
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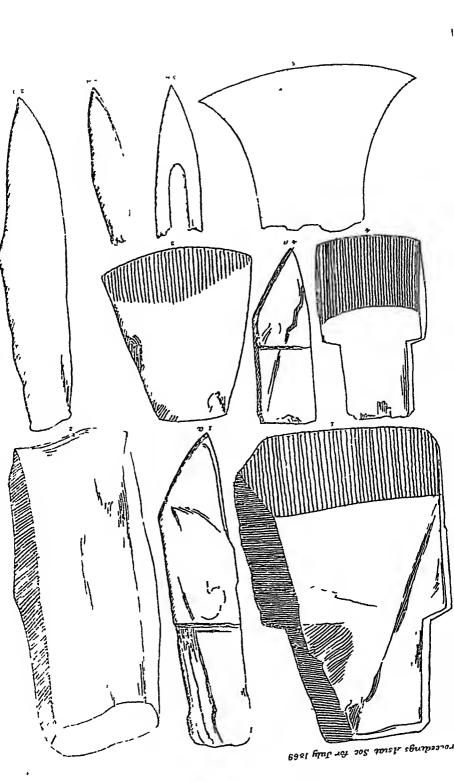
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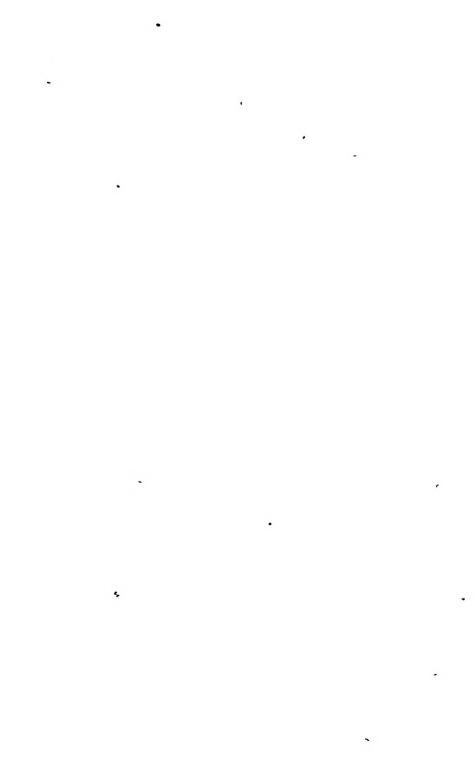
5, for " there" read their	68	131	
28, for " A C Caillyle" read A. C L Cailleyle	66	"	
8, for " the intend line" read intend lines	"	133	
18, for " Dupetron" read Duperron	**	"	
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three codices of the commentary			
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8, for " Rimahmaya" read Rimamaya			
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ita in the previous numbers of these. Proceedings	e (LE	•	











PROCEEDINGS

ant 40

VSIVLIC SOCIELA OF BENGAL

FOR AUGUST, 1869

A meeting of the Society was held on Wednesday, the 4th Instant,

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ERRATA

In the Proceedings for July, p 178, l 4, from below, read W M

CLAY, Esq, C S, for A L CLAY, Esq, C S

Specimens of From W Oldham, Esq, LL D, Chazcopore Mi Sykes, photographer, Bombay

pricks, the characters have not yet been completely deciphered The inscriptions are Pall, but owing to the broken stite or the

biteks, beating inseriptions, found at Musai near Ariali

fiagments show that each brick contained the same word

From G Smith, Esq., LL D, a copy of 'Memorials of the

, 698I 'ounc Observations at the St Xavier's College Observatory, January to From Eather E Lafout, S J, a copy of 'Daily Meteorologic il Rev John Pourie,

From Mohendialdia Sireat, M. D., a copy of the Calcutta Jour-Вогиео From A Camerou, E.q., a copy of a pamphlet on the Dy des or

and of Medicine, Vol. II, price 2 and 3

meeting were balloted for and elected Ordinary Members-The following gentlemen duly proposed and seconded at the last

Pince Jahan Qadi Mika Muhimmad Wahid Ah Bahadun

1 /V Տանաշև, Եոլ

ders at the next meeting— The tollowing gentlemen were named for ballot as Ordinary Mem-

Hyde, Esq., Barister-at-Law, proposed by Colonel Hyde,

seconded by the President

Major & E. Fryer, Deputy Commissioner, British Burma, proposed

J Westland, Eng. C S Acting Secretary, Government of Bengal, by Colonel Sit A P Phayte, seconded by the Secretary.

J H Fisher, Esq., C. S., proposed by Mi R M Adam, seconded proposed by Colonel Hyde, and seconded by the President

Geo Latham, Esq., C. E., proposed by the President, seconded by by Dr F Stoliczka

- Babu Juddulall Mullick, proposed by Maulawi 'Abdullatif Khan W. King, Esq

Bahádur, seconded by R. A. Gubboy, Esq.

The following gentlemen have intimated their desire to withdraw

trom the Society-

W A D Anley, Esq

pe sold at Eight Annas per copy.

ss at present.

1 B M Hennessey, Esq.

fixed at Four Rupees per annum, and that monthly numbers should rate of subscription for the Proceedings, to Non-Members, should be the year a very fait-sized volume, it had been resolved. That the although brief, contributions to the Society, and formed at the close of then been vasily extended, and now contained many very valuable, tained little more than the formal business of the Society, had since which at first extended only to a few sheets for each month, and contaking into consideration the fact that the Proceedings of the Society, publications of the Society had been fully discussed by them, and that report to the Society, that the question of the cost and form of the The President stated that he had on the part of the Council to

ceedings would continue to be issued to the Members of the Society enlarged form of the Proceedings nearly cover the cost. The Proscribers, and three annas to non-subscribers, did not in the present The prices, as originally fixed, of two annas per number to sub-

The President said, he had further to report from the Council, that The alteration in the price to take effect from the lat of January, 1870.

be transmitted with greater safety request for the return of books until after the runs, when they could could be returned to the Members . It was not intended to make this sooner the books nere sent in, the sooner such as were ag un required plete a Catalogue or their Library And he might remark that the trusted that the Members would condaily second this enort to com-Proceedings, so that the Members might be prepared The Conneil proposed meanwille to issue a notice to this cheet, on the corer of the be called in, for comparison and entry in the new Catalogne close of the rains, all books now borrowed by Menibers of the Society with the lists And the Council had therefore resolved that at the the hands of Members or the Society should be compared and checked satisfactorily, it was essential that the large number of books now in To enable this to be done be ready before the close of the year interest in the matter, and it was hoped that a complete list might by all Several members of the Library Committee had taken much of the Library of the Society, the want of which was so serionally felt good progress had been made in the prepriation of a new Catilogue

The President said, I have the pleasure or exhibiting to the Society a coin or medal, which I had some time since received from Major Strutt or Kangra. I have inade every excition to have the history and date of this entions coin elucidated, but with very partial success. Immediately on receipt or the coin, I sent it with Mior Strutt's note to Babin Rajendralala Mittir. Unioitunately, he use at the time very nawell, and retnined me the coin very soon, saying, he had been quite nnable to give to it the attention it deserved. But he thought the legend was in Arabic character. I then submitted it to our Seciety, Mi Blochmann, who being inneh pressed with other work at the time, was unable to give any very energial eximination of the coin. I then sent it to Mr I C B idey, indirectived iron of the coin. I then sent it to Mr II C B idey, indirectived iron of the coin. I then sent it to Mr II C B idey, indirectived iron of the coin I the following note.—

"I return per dak Major Structs com I hare little donne or the class or come to relief it belongs
That or all, honeren, I should say I believe it to be a jurgary—a

That or all, however, I should say I believe it to be a forgoig—a cast that is nom an original, and in electrical electrics of the inseription have become more connect and obliceated than in the original,

test much worn and corroded

I take it to belong to a series struck by a line of Turkoman Princes, surnamed "Ortohrtes," from "Artak" or "Ortoh," one of their progenitors The first of their line who figures in history, was this chief named Artak ibn Akaah, who serzed Jerusalem about the close of the lith century He died about 1091, and his sone were driven out and founded two dynasties, one over 'Iráq, the other in Syria, first at Dryaibaki, then at Martin To the latter belonged the celebrated Saláhuddín, or Saladin, and to it I think belonge this coin, though I suspect it is an unpublished type. I am not quick at readthough I suspect it is an unpublished type, I am not quick at readthough I suspect it is an unpublished type, I am not quick at reading the old Square Cufic in which the legend is embodied, and the characters as I say, are very woin I think, I can read 'Saláhuddin, and 'Taitash' or 'Taktash' or 'Tabaktash,' but I can find no name and 'Taitash' or 'Taktash' or 'Tabaktash,' but I can find no name like the latter given in the lists.

The two elephants have an oriental tonch, and the hon and sconprou belong, I have no doubt, to some zodiacal reference. The common or medal was probably struck in commemoration of some special event."

On again receiving the coin, I had hoped that possibly Mi. Blochmann, would have been able to investigate it more closely. But More

mann nonld have been able to investigate it more closely. But Major there is and ask any of the members present if they can throw any further and ask any of the members present if they can throw any further

light on the question

The following papers were read-

L.—Extract from a report by Captain R A Coll., on Oromiechs in Southern India

''The Chief Commissioner inspected some cromlechs discovered on the top of the bloory Betta hill in Morth Coorg, and directed some to be excavated. Some of these had concentiate rows of upright slabs arched above, so as evidently to have formed an arched entiance within the enclosure. Portions of the arches have been destroyed by the ravages of time. The space within the concentiate rows of stones was excavated, and earthen vessels of the exact pattern and description found elsewhere were discovered, but all an annature. These vessels bear the same relative proportion to the larger vessels found in the cromlechs elsewhere as the small toy to the larger vessels found in the cromlechs elsewhere as the small toy chief arger vessels found in the cromlechs of native children do to the larger vessels in common use at charties of native children do to the larger vessels in common nee at

pattern in white in the centie " description of agate and brave eneles in white round, with a registre ly portions of neeklaces were also tound. These are or the colour and the present day Several bends and tubes, bored through and evident-

The elay ve-sels n high Capt Cole had kindly iornarded to the A conversation ensured in which the President and several Members

Society, unfortunately arrived greatly broken

sioner, Chota Magpur Kols at Nagpur, by Blov Bleult Dis Hllden, Special Commis-II - Notes on a Copper-plate Inscription in the possession of certain

half of the country to the Kols original patta granted by the Aeahanaja of Chota Kagpur surrendering Chota Nagpui converted to Christianity are earrying it about as the itself, but of some consequence from the fact that certain Kols or I forward a tae-simile of a copper-plate inscription, insignificant in

earned money in support of their common emse have induced many a poor indigental Kol to pire mith his hindprobable that by exhibiting the original incorption, the 'agit dors' publicity by means of the Society's "Proceedings" It is exceedingly is to present a case in point. I trust that the uniter may obtim knowledge, and the object of my sending the tae-simile to the Society that the zeal of these Kols nequently outlin their discretion and just rights. It has, however, been known to the local authorities Government to pass an act which promises to seeme them their endearoused to better them condition, and have even induced the with iemaikable zeal and nuanimity of purpose, live consistently conversion to Christianity, degan to realize their own position, and centumes past by the Hindu landloids, these people have, since their a matter of some notoriety Reduced to a state of seridom for some dás and Otáons anent then rights as peasant proprietor, his decome The agitation recently set on foot by a number of converted Min-

to have happened. From the Chalin S in ile, or representation or date is 1861, Samrat, Asharli, Sund y when in celipse seems Tollbell eiltenten D omen ed nemdeil a of ridmin anteff grant ou clind runge by no ed by line in the rate The meetiption is in Sanslit, in Orivá elitracter , et 31

scription the basis of their claim many respects a praiseworthy one, by making the copper-plate intherefore their advisers to warm them not to endamage a cause, in ' Kols and then lands as with the mountains in the moon; it dehoves The inscription has to do as much with the nordeap ai siayisat Sanibhalput or Sonput, the Nagput tajás nevet having used the Vishnu's diseas on the top, the inscription appears to delong to

Below are my translateration and translation of the inscription, the

donbtful words or passages being in Italics

Translites ation

grámah sarvalanı jalásaya vanárámádri káshthádibbu. vályám var* divija deva vahut savidde kirtivá suvákyam madat, Kshaine Ravidsane subha tithau tati oparáge sini yattum yeda kaleti lokaviditam giamam piaditsurmudá, (I). bhúpálá niliayá chate navaratam sringrantu bho mad vacho. namna Katna Kumátiká gunavatí tájnám kule dhávinad, Simadvira Jayanta Sinda niipati-stat 'sveskika patni talka

Bipráya veda-vidushe bahu-siutáya sántáya kaimani-nije-paiinishvikta svarya nidhánakháta sahito dattah sasímomayá (II)

Rakshantu kirtmatulam mamatavadete revátra lodha vasatah vattaiâya (LLL). -sangs odenedarahaka nyahakan Kasinahakan kantarapushe guna-

pravilopayanti te Somalendu (?) Vimaleswara Dharmarája pádeshu

vipnyahrido narake pateyuh (IV)

Vikramáditys dhúpasys nirmitá távnia putriká (V)Samvateshtá dasa sate ekashastyuttarákhyake

Kasınátha Madhu srimán Vanamálı sainanwitah

Swardhánu vatsare dattam bhunkshwa grámamakaulakum (VI)

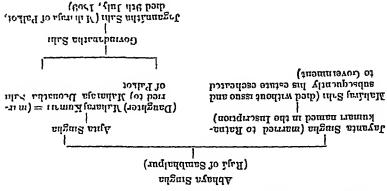
mislaid it on his way to the bend quarters of the South West could it be supposed that some native of Sambhalpur or Sonpur lind found near Ladhmá, some fourteen miles south-west from Ranchi, how the plate fell into the hands of the Kols I was told, it was In conclusion, I have to add that I have not been able to discover Sahı

Piontier Agency ?"

ען עיוצןעןיסע נד

Enjoy the village without impediment Approved " and the fortunate Vanamali (10), in the year called Swarbhanu (11) plate was prepared, and the grant made to Kasinatha, nith Madhu , 9) In the Samvat year 1861, or King Vikiamaditya, this coppor-(6), Indu (6), Vimale Swaia (7), and Diainiting (8), tall into the shall resennd thus, shall, with hearts not devoted to the neet or Som ila Those who, derng subject to covetousness, comparable work of fame some in person and full of merres. Let then preserve this my into the feet of the twice-born and the spiritual guide, being also landwell informed, or a quiet tuin of mind, attentive to his duties, devoted present to the Brahmana Kasmatha (1), who is versed in the Vedrs, groves, lulls, woods, veins of gold, &e, wines, and the bound mes, I with all due formalities * The village with its inteis, tailes, foleats, good my promise in the presence of the gods and the Brahmanis Asharha, in the auspieious tithis, the moon being celipsed (3), I mide in the country as Tamperkala (2), [accordingly] on Sundry in de my words! I am desitous of giving anay that tilling linoun this constantly of the princes who may be [boin] in her rice. Hear the illustrious and valorous Jayanta Singha (I) lord or nien, asks "The distinguished Rajni, by name Ratha Kuman, chiet consort to

th Ralf of Sambhalpar The following table shows in connection with the commentary of Pulket



* In his second note, Babu Rakhal Das Haldar, proposes the following

(2) This is a rather large villago within a fow miles of Sambhalpur

(3) I have verified this eclipse of the moon by referring to the almana of

uyuny (4) Kásmácha Dása, Purohita to Rájá Jayanta Singha and Rám Ratma. **'198T** Samvat

(5) The grardian (female) deity of Sambhalpur.

made, allusion has been made to her (6) The moon having been the prominent object on the night the grant was

(7) The guardian (male) deity of Sambhalpur.

(9) Kásínátha's brother and Megi, or steward, to Ráus Ratuakumarr (8) Yama, or the god of justice

(11) This is probably the name of one of the years of the astronomical cyclo Kanı Katnaknmarı (10) Kasinútha's youngest brother, and Khánsámán or assistant Dewán to

.08 30

In a second note, received the day previous to the meeting, Babú

have duped only men of their over race." that they would not lend it to Colonel Dalton even for a day, they to adduce the plate as evidence in any suit, I have been informed Nagpur ou their ancestors! Oi comse, these men have taken care not scruple to use it as the original document, confering half of Chota fusion, the plate fell into the hands of certain crafty Kols who did not Subsequently, the Mutiny of 1857 occurred, and in the general con-South West Frontier, and of course the records were brought to Ranchi against in the Court of Mi Allen, Agent of the Governor-General, The decision in that case was appealed plate was put in evidence tried by the British Officer in charge of Sambhalpur, and the copperaril suit regarding the village mentioned in the inscription I have been told that there was a Baighis (Bághis?), or Maidattas Jayati) Singlia of Sambhalpur was captured and carried away by the Kámpui in paiganá Basiá, while dei dusband Kájá Jayanta (vulgo known in the southern parts of Chota Magpus, she resided at. The Rani Ratna Kumari, appears to have been at one time well A late tip to Pálkot has enabled me to subjoin a few notes Rakhal Das Haldaı continues-

lunai day, &c" occurring on the occasion of the new moon which commenced on the fourteenth and the fire, on Saturday, in Asatha, the tithi being auspicious, and an eclipse "Having made the magnanimons resolution before the twice-born, the gods,

M. A. Assist. Professor, Calcutta Madrasale. Descendants up to Shahyahan, No I By II Beccuais, Esq., III -Contributions to the Chronology of the recepts of Timur and his

The object of this paper is to collect the statements or sereial

each as the dirth, the accession, or the death of a king of surprise, if historical writers disagree on more impore int dates, may even be ince with among modern Uistorians. But it is in itler in the dates of events of less importance are common enough, and as we unglit expect from the number of instorical norks and set, the chronology of then reigns is by no means so satisfactory kings, we have contemporary distorres, and even antobiographies, do we possess detter materials than tor the times or the Mochal violetll made to borrog on rot and place of gu estimmit of the Indian Historians regarding the dates of birth, accession, and de tili,

In some cases chronologic il ditterences are ti ice ible to the earele-5-

(II, p 312)— Anat affords a remarkable example. Or its chronology Bidsoni 213.5 The Tabaqut e Abbait by Meannichm of ness of the historians

Must, but the responsibility rests with him? tables with me, I have necessarily followed the chronology or the and lumm years being one year men dained and reminded three years amount to one linea month, the difference between sola to take into account the intercalary days (anydim a hadrsak), which in cause of this confusion is apparent' enough the Miza bas, toignteen His Majesty was at Atak Banaras (Attock), as related below. gas an (a space of thuty years) degins from the 25th Rabi I, 994, n ben Jean from the emperor's accession, but the fact is, that the second of the history of His Migesty by years, the year 993 is the chiricili According to the work or Missa Missimuddin Abuna, who has an ingcommenced, and the New Year's day of the Emperor's era took place "On Thursday, the 19th Rabi' I, 993, the season of spring had

The above remark or Balaoui shows that there is room for imilier և շրջ՝ ոոցգյե For similar bines ande Bad II, p 351, 1 1, p 352, p 356, 1 1,

In the leaf send bandel for being wall-! * In the edition of the Bibl Indica, But II, 312, send hemand for 1 'n . v.

e Chagathe and the Khuldzatuttawii ikh and so have other historians done, as the authors of the Saldtin professes to follow the Akbarnamah, though he has used the Tabaqut; Shah Fathullah of Shíráz (vide Kin Translation, p 38) Fairshtah the other hand, are mostly solar, and rest upon the computations of no clemenrated by the Tabague The dates green in the Alcharasian on enquiries, especially as later distorians (e. g., Kháfi Khán) adopt the

possess correct dates for his reign the Akdarnámak, and Badaoni, de exammed, we cannot expect to investigation, and unless a sufficient number of MSS, of the Tabaqát, On the nhole, the chronology of Akbai's reign requues a thorough

Akbar corresponds to A. H. 1000, in the third month of which Shah-36th year of Akbai But the fact is that the 36th (solat) year of moiss' says that his son Shahjahan was born in A H 999, or the also been the cause of much confusion Thus Jahángu in lits 'Me-The introduction of Akbar's Solar Era, and its limited use, have

teign of Aurangzeb, the dates of which are not always trustworthy (accession), and the stilking of coins This holds especially for the an emperor does not always coincide with the official date of his julis Another source of confusion is this, that the date of proclamation of Jallán was boin

copyrsts of the MSS Their mistakes are confined to certain numbers In some cases, lastly, chronological differences anay de traced to the

sih and is ate frequently interchanged. pas multun, pum shashum and pram shageum, so do and so dah, de Thus fine distinut and pime hashtum, pime hashtum and

pp 41 to 80) to the chronology of the Timúrides, which chapter may namah especially lins devoted a loug chapter (Edition Bibl Indica I, to the chronology of former langs. The author of the Padishuh-The Historians after Jahángir appear to have paid some attention

history. advantageously de tead by those who take a deeper interest in Indian

which I am the habit of taking when reading the editions of our atul'alam, and Klast Klain. The tematks owe their origin to notes the Tuzuk e Jakángéri, the Igdálnámak, the Pádeskáknámak, the Ilie-Timurides, are compiled from the Abbarnamah, Badáoni, Farishlah, The following notes which refer chiefly to the genealogy of the

Wagi'at a Humiyun, I have consulted no European nork Bibl. Indica. With the exception of Stewart's translition of the

I. Qutbuddi'n Amir Ti'mu'r.

years, 11 months, 22 days at Balkh Died on Tuesday mybt, 17th Sha'ban 807 Aze, 70 Naginah Khátin Julus (necession), Wednesday 12th Rundau 771, night, 25th Sha'dán 786, A H Bather, Amir Turághai Nother, (Lord of the great conjunction) Born at Kash (Shihr-abz), Mond cy Title, Gurgán (son-in-law) 'Litle aiter derth, Çálitb qui in i a'zani

His tour sons, a. Chiyásuddin Jahángn Mirzá

d. Umai Shailh Alirza

- Jala'luddyn Myra'n Sha'h Myrza'.
- Ramazan 809 He myaded India with Timur He had cora onsson, Mizza Pir Muhammad, governor or Chrzni, was killed on the 14th He had three sons (Jahángur, Sa'd Waqqáç, and Yahya). His second His eldest son, Muhanimad Sultan, died on the 17th Shiban 805 Chrysenddin Jahangri Mirza Died at Samargand, A II 776. Shábrakh Mirzá.

'Umar Shaikh Mirza, died in Rabi' I, 796 Jahángur, Qaiçar, Sanlar, Sa'd Wiggáç, Búzanjur, Khalid, 29 (1)

Muzall mitzall nos a bad odvi) dziell michiel 8 , dziell mezaM Minhammad Sultán Shah Muzá, and Sultán Sikrandar Mirza. Muh unare called Ulugh Mirk, and Shah Mirk a Ulugh Mitta had the ore, Sultan Uwais had a son, Mirzd Minhammad Sultan, whose two sons whom Mangier had two sons, called Bayagea, and Sultan Unins He had tour sons-Mugúr, Sikandar, Rustam, Pir Muhammad, or

krist meant bommadnik & "(krist

o II. Jala'luddı'n Mi'ra'n Sha'h Mi'rza'.

Born 769 A H, reigned for a short time, died 21th Zi Q.'dah 810. (Thurk son to not bruif)

ટામે તંત્રસાય માત્રમાં કામ	8	Mirsá 'Umar	₹
Lyd Airza	1	(f)idlado nameU'	8
Sulta'n Muhammad Mi'rzz'.	9	Alangar(?) Mushal	7
Moda Bannadule	ç	Aba Baki Muzá	I
_		nd eight soms —	He p

In other Historical works, I have seen the Akbanaan (Luth Ed.) The above names of Mirán Sháh's eight sons are taken hom the The mother of No 6 is Mills Nish, (' az qaum 1 Fillid Qaya')

mames given as follows —

Altakan (see) Mirza. .8 Khalil MizdA Umar Mirza. g Abá Bakr Muzá.

Saltán Muhammad Mirzá. Jemán Mizá. 4 .6

Sıynıghtamash. Chalbi Mirzá. 8

The last had a son, named Mirza Sultan Mas'ud.

14th Rabi' II, 779. Died Snaday morning, 25th Zi Hallah 850, after Title, Khidan s Said Born on Thuisday, Sháhinkh Mirzá

Ungh Beg's sons are Mizzi 'Abdullatif and 'Abdul'aziz Mizzi Astronomer (Galid & Zig), 2 Báyasangdar, and 3 Mirza Ibráhím He had three sons. I Ungh Beg Minzá (Malik 1 sa'id), the a reign of 43 years His write, Gauliar Shad Begum.

.(midial izule nos a bad odw) dalabbusik, bas ,(azule bam Mahmud), Mirsa Sultán Muhammad (who had a son Yadgai Muham-Báyasanghar's sons are Mazá Abul Qásim (who had a son Sháh

dallubak' zi noz (8) z'midaidl izrillah

III. Sulta'n Muhammad Mrrza'.

(Sixth son of II, and grandson of Tinnit.)

He governed Samangand, and dred during the reign of Sháhrukh

-snos ovit bad el (b)

Minúchihi Mizá Sulta'n Abu' Sa'r'd Mi'rza'.

(IV. Sulta'n Abu' Sa'rd M'rzz'.)

Mirza Muhammad Muză, son of Bâyasanghaı Mirză, son of Sháhrukh on the 25th Rajab 873 by Yádzár Unhammad Mírzá, son of Sultán reigned 18 years (over Afghanistan, and Independent Taitary) Killed Commenced to reign when twenty-five years old and Born in 830

The Akbanaanah (Lathogr Edition) mentions the names of ten

Shamnkh Mirza 0I Sultan Murad Minza. Sultan Khalil Mirzá. 6 Umar Shaikh Mirra. Ŧ Abá Bakr Mí17á 8 8 Sultan Mahmud Minza Ungh Beg Mirza. .7 Sultan Minhammad Mirza. 7 τ Sultan Walad Mirza. 9 Saiten Ahmad Mirza -suos

		asult birult	8	Muhammad Muzi.	Þ
		astill taled didA	Ļ	drill likalX	8
		(IndàX		dayiM birminM	\mathbf{z}
jo	ागीम)	usult gott ilgulu	9	Alimad Missa	Ţ,
		annes as follon,	0113	pitnot davil I sociolisti 191	ao un

radgar-real I- eace could bed (2) wall beminds addud Sultán Minza (sie) OI Umai Minas Shabiukh Mirada,

had a son Mizh Sulaman who, nith die son Mizza Ibialim, lived at Alt Much, 3 Klich Much The last, Klich Miri,

Ulugh Beg Mirzi (6) had a son Abdumazrag.

(Ath son of Abú Sa'id Muxá) V. 'Umar Shaikh Mi'izû'.

Mying pigeous having bloken down He had three sons and five 899, at Akhsikat in Eaghánah," the pigeon house on which he stood Born at Samaigand in 860, A U Died Monday, 4th Runrain

—saəqijBnup

Akbar's Court.

(.I) Zahiruddi'n Ba'bar.

Jahángir Mirzá (5)

Magn Minza (ealled in some histories, Mirzd (8)

Real Sultan Begum Milit Bana Beguni, sister of Э Kár Sultan Begum older than he own sister, five years birth - died shortly after Linguage Beginn, Baber 2 ð (uspn Lighten)

(3), eiglit yeais younger

tugrest uvus

Begam, mother of (3) and (b), Chunchay Unined Begam, mother Thánun, according to Khás khán, mother of (2), Unimili Sult in Mother of Babar and of (a), Qatlaq Might Khânun [or, Milt Sigar

Tringit in Problem 2 added In their it in a . - If , to to charl our discosonia at a nation of any and the stands and in a large of the continuous of an individual of the continuous of an individual of the continuous of an individual of the continuous of the continuo or a transfer it loses useft in the said in I with with the country it loses useft in the in-I vinter by firm in beiden four not eber not eben noth beit in nicht file einen der Alle eine Bert nicht auf beit gegen from M L, flows ton irds West, preses M of Klunial, and S of Finder (or * "Fargh man belongs to the fifth lykin, and is bounded on the T marking shan, on the II by Simirafind, on the S invariants on the West The Sana, on the Mill him I to in the West The Sana, on the Mill him I to in

called Andhoz Begum) Nos. (d) and (e) are postbumous. Ghunchaji Begum, mother of (e), Makhdámad Sultán Begum (also of (c), Khwajah Hazain's daughter, mother of (d), Agha Saltin

VI. Zahi'ruddi'n Muhammad Ba'bar.

(let son of 'Umai Sharkh Miza)

dausmakani (dwelling in Paradise). Boin on the 6th Muhairam, Title, Gettsitant (conqueioi of the woild), title after death, Fir-

He mother Oatlaq Nigar Klannın is the second daughter of Yanas * 888

Khán, who is the twelfth descendant from Changiz Khán.

. tania dagwil Magnuddin Minka anoinet The name Zahiruddin Muhammad was grven to Bábar by the

. b 32 , m 8 , y A and 22 y, 6 m, 3 d, in Kabul, &c.], and in Hindústán and Kabul, out of Hindustan, 22 y, 10 m, 8 d, [10 y, 4 m, in Mawaranadr, was duried at Kadul. He reigned altogether 37 y., 8 m, 2 d; viz, near Kgrah, 6th Jamáda I, 937, at the age of 49 y, 4 m., 1 d. He the battle of Panipat, Bilday, 8th Rajab, 932. Died at the Charbagh, Hindustan five times. The last and successful attempt ended with 2 mouths, 3 dayst in Afghámstán and Badakhshán, and invaded with the Uzbaks and the Chagátai kings, reigned aitervands 21 years, 7 months, 29 days old. Reigned 11 years in Mawarannahi, fighting Julus, Tuesday, 5th Ramazán, 899, at Andaján, when II years,

Babar had four sons and three (?) daughters-

- I. Maciruddi'n Muhammad Huma'yu'n.
- danghter of Husan Arguán of Sind." Erskine. A son of his is men-"He was married to Chúchakt Begum, Kamrán Mirzá
- tioned, Mirza Abul Qasim.
- 3. 'Askaış Mirzá.
- 4 Hindál Mítzá He had a daughter Raqiyah Sultán Begum,
- who was manied to Abba.
- 22y,6m,3d. The difference appears to be in the fact that Babai's rule in Advantanuality was nominal. † Padishahn, I, p 47 m, but on p 62, 1 3, from below, 'Abdul Hamid gives * fram the also the Ten the of his birth.

(a) Gulrang Begum, (b) Gulchiliah Begum; (c) Galbi dam Begum These three were by the same mother One of them was married to Mirsh Yadgar, who was put to death for treason Shanns says that Dildin Begum was the mother of No 4

The Tuzuk (p 113) and the Iqbulnamah (p 68) mention a fourth daughter was manned to Musa Mandin Mulamah Julian Manghter Salimah Sultan Begum will be mentioned among Akbar's wives

VII. Mactruddi'n Muhammad Huma'yu'n

the Finday of Rabi I to the Mir-at, on the 7th, and according to the Akbirmanili 'on ing to the Padishahnanah (p 65), on Sunday the 18th, according died on the IIth Rabi' I, according to Badaoni, on the 15th, iccord-According to Kháli Khán, Panishtali, and Stewart (p. 120), Unmáyán Rabr' I, Farishtah and Baddoni (I, p 465) say, be fell on the 7th 100f of his library Klidi Klian (p 121), says he fell on the Jih He died in Rabi' I, 963, from a fall from the staircase leading to the 962, and takes possession of Dilit, on Sunday, 4th Ramaran, 962 7th Rajad 962, defeats Ahmad (Sikandar Sin) on the 2nd Shi'han arrives at Lahor on the 2nd Rabi, II, 962, and at Sarbini, on the , 108 di yu II i I i o o ildini tho m Labul, in tho middlo of I Hayi b 961, night, 12th Ranazán 952, takes Brdakhshin in the beginning of 953, Quadaliar, on the 25th Junada II, 952, takes Kabul, on Tuesday (10th Muhairam 947), iomains in exile 5 y, 5 m, 15 d, tiles Leaves India after the battle of Kanany Junida I, 937, at Agralı was Mahum Begum, a relation of Sultan Husan Muza Julus, Ich Monday might, 4th Zi Qa'dah 913,* nt Aik in Kabul His mother Title after death, Janual ashyini (in some MSS janualiastini) Boin,

Kháli Khán (I, p 126), represents Hnmázún as a Hanati Sunu, but he says that he possessed a greater love for the abl i but (II is in, Husain, &c.,) than his ancestors, especially more than Amir Pimár † Regarding Hamáyún's religion, vido Barbatah and Badáout Humazun's soldiers and many of his grandees (as Bairam Chán, &c.), nere Shi'ahs

* So in the Abbarnamah, and, according to Stonare, in Bultur's Melitious The Pédishéhnámak (L. p. 63, I.7), has the Litch, not the interest each shell ships the surfaces are either Albara trick on the

Farmus with slight Shi'ah tendences are eilled Leeden speechled achter his second seen anne unin sach is seen anne same in sach is seen anne in sach is seen the sach is seen in the sach

According to the Púdishdhninah, Hamáyán, at the time of lus accession, was 23 y, 6 m, 5 d, old The period from his julies to his death is 25 (luna) y, 10 m, 5 d., hence at his death, he was 42 y, 4 m, 10 d old,

Of lus wives the following are mentioned ---

Hamidak Bánd Beyum, Akbar's mother. Her title is Maryam Makini, 'holding the rank of the Vingin Mary' She died 18th Shahriwa 1012, and was buried at the side of Ulimáyán at Dibli 2 Mahriwa 1012, and was buried at the side of Ilimáyán at Dibli 2 and Sultán Ibiáliam Badáoni and the Akbaruánah (II, 69), ako and Sultán Ibiáliam Badáoni and the Akbaruánah (II, 69), ako mention a Háji Begum; but this may be the title of the precedung

Humáyún's sons —1 Akdar.
2 Alitza Muhammad Hakím, born in 961 † Died of dedu sum

tremens (ru'shah), Leth Sha'bán 993, (Bad II, 346).

8 Saltán Ibiáhim, who died as an infant Of Hamáyún's daughteis I find mentioned—(a)

Of Humáyún's daugliteis I find mentioned—(a) Najibunmsá Begum (Tuzuk, p 68, and Preface, p 5); and (b) Bakhtunmsá Begum (Khúf Kh in, p 226). A son of the former, Minzá Wáli, was at Jahángu's

Court (Tuzuli, p 68).

VIII. Jala'luddı'n Muhammad Akbar.

Title after death, "Arsháshyáni Born in the might hom Saturday to Sunday, 5th Righd 949, at Amarkoţ Julás, about moon on Firlay, 2ndţ Rabi' II, 963, at Kalândi, meai Lâhoi, when Akbai laad reached the age of 13 (solai) y, 4 m, 18 d, or 13 (lunai) y, 8 m, 28 d. He died in the night detroen Tucsday and Wednesday, 12th Juniada II, 1014, at the age of 63 (solai) y, I d, or 64 (lunai) y, 1 m, 7 d. Regarding the confusion as to the exact day of Akbai's death, vide my Kin translation, p 212, note 2 He had reigned 49 (solai) y, 7 m, 13 d, or 51 (lunai) y, 2 m, 9 d.

Akbar had five sons—
I Hasan | twins, boin 3rd Rabi' 972 They only lived
2 Husain | one month

3. Salim [Jaha'ngı'r].

s The Edition of the Pédisháhnámah has wrong 30 for 80 † His Lunyah (של בלולה) בלולה און בלולה (161), or לבל בלולה (161), orde also Bad II, p 56. † Slowath, p. 121, says, 3id Radi II,

birull actlas 4

5 Sultan Danyal

Of daughters, I find three mentioned—(a) Shahzadah Khanun, born three months after Salim, in 977 (b) Shukrunnish Begum; and (c) Kaam Banú Begum, both boin after Saliku Dauyal.

91 q aluxuT obia , (2) Muhammadan lustonnan † 6. Bibi Daulat Shad, mother of (b) and Her mano is not inentioned by any Bai, the mother of Jahangu beautiful wife of 'Abdulwası,' mairied in 970, (Bad II, 61) 5 Jodh Bhagawán Dás, Akbar marized ber in 908, at Saubliar 3. The daughter of Rapah Bibari Mal and sister of Rapah ed with Zedunnish* (a wife of Aniangzed's), who has the same poetical known under the name Malift (concealed), and must not be contonndmarried her She died 10th Zi Qa'dah, 1021 As a poetees, she is beginning of Akbai's teign After the death of Bairam, Akbai, in 963, Hunigun had destined her for Bantam Kliau, who mained her in the (vide above under Babai, p 213) and Mirza Miruddin Muhammad. Sultin Salimah Begum She was the daughter of Galrukh Begum gn's wife) also stayed with her after the murder of Sher Alkan lealun), but had no child. Sho tended Shahyahan Mir Jahan -7th Jumada I, 1035, (Tuzuk, p 401) She was Akbar's first wite (zan 2 yah Begum, (a daughter of Mired Hindal,) who dred 84 years old, on tho Of Akbai's wives the following are mentioned —1 Sultan Brayi-

Salkin Murid, Akhai's fourth son, was born on Thur-day, Std Muliarram 978, and died of delivium transmin 1006, at Lilaipiir in Bara. (Tuzuk, p. 15., Akhainamidi II., p. 443., Khali Khai, p. 212.) He was meknamed Pahais (Bad. II., 378.) He was salexiang (of livid complexion), thin and tall (Tuzuk). A daughter of his was married to Prince Parvix, Jahángir's son (Tuzuk, p. 38.)

Sultan Dányal was born on the 10th Jumáda I, 979, and duch or delin una tremens, A H 1013 Khán Khan (I, p 292), says the neural of his death reached Akbar in the beginning of 1014 He in uried, towards the end of 1006, Jánán Begum, adazghter of Muzí Abdurahum Khán, p 213) He n is also detrothed to a Khán Khán Khán, p 213) He n is also detrothed to a daughter of Ibrahim Adalshah of Bijapúr, dut he died detrothed to a daughter of Ibrahim Adalshah of Bijapúr, dut he died detrot the

^{*} Her chamme Ofwan was intographed at Lucknow, A. II, 1234. † Regarding her, v. & Tod's R 13e-lk in.

marriage was consummated He had three sons —I Tahmuras, who was married to Sultán Bahár Begum, a daughter of Jahángir. S Báyasanghar (عمريان) 3 Hoshang, who was married to Hoshang mand Báná Begum, a daughter of Khusrau Besides, he had four daughters whose names are not mentioued. Regarding the fate of Dányál's children, wide below p. 218 Dányál is represented as well panlt, good looking, fond of horses and elephants, and elever in composing Hindústání poems.

IX. Nu'ruddi'n Muhammad Jaha'ngi'r.

Title after death, Jannatinalairs Boin at Fathpúi Sakif on Wednesday, 17th Rabi' I, 977, or the 18th Shahriwar of the 14th year of Akbar's Ers

Allow, † 20th Jumáda II, 1014, (or 10th Khán of the 50th year of the 50th year of Albar's Ein.), when he was 36 (solar) y , 6 a, or 22 (lunar) y., 8 a, 3 a He reigned 22 (solar) y , 6 d, or 22 (lunar) y., 8 m, 9 d He died of wall first on Sanday, 28th Gain 1057, at the age of 58 (solar) y , I m, 29 d, or 59 (lunar) y , II m, I2 d.

Minimiss Khánum, the wife of Sher Afkan. On her matriage of Jagat Singh, eldest son of Rájah Mán Singh, (Tuzuk, p. 68). 8. of little Thibet (Bad. II, 376), mairied in 999 7. A daughter Then names are not known to me. 7 A daughter of 'Ali Rás, inlea Shahrivar 998) 5 and 6 The mothers of Jahándán and Shahryár. Rát'hor. She 1s the mother of Bahár Bánú Begum (boin on the 231d She died Isth Tu, 1007 4. A daughter of Rajah Keshu Dás of the uncle of Lain Klán Kokad She is the mother of Prince Partiz is the mother of Shahjahan 8 A daughter of Klusigh Hasan, ried in 994. The Tuzuk (p 3) calls her Jagat Gosáyıni daughter of Odar Singh [Mot'li Rajah], son of Rajah Maldee, maibrother Madhú Singh, in 1011, (Kháii Khán, p 227). A apparently brought on by the dedariour of Khusran and her younger Pince Khustau She potsoned herself with opum in a fit of madness Sultanunnisa Begum [Klicft Klien, Sultan Begnm], and, in 995, to She gave birth in 994 to of Rajah Bhagawan Dás, manned in 993 Jahangir's wives (Ruzul, p 8, and Pielace, p. 6) I A daughter

* His name is neongly spelt is the Tuzuk and Pádisháhnámah (I, p. 73) The name occurs in verses and has the waze of JUSE.

† Regarding differences in date, oide my din translation, p. 267, note 2.

† Ashángú was stout, vide my din translation, p. 267, note.

called Mar Jahan (Tuz p 156) with Jahangh she received the title of Nur Mahall, and mas liter

Two daughters are mentioned -(a) Sultan Mistr Beginn, Sultán Khuram (Slahjahán) 4 Sultán Jahandar 5 Sultan Saltan Parvis | Jahanger's children 1 Sultan Khusran, 2

(b) Sultan Baliai Banú Begum

Garshasp, (Gushtasp, according to the Ichuliquitutiandi ich) Klinsrin Hoshmand Bank Begum, was marred to Moshang, son or Dang il 2 Dawn Bakhah [Baliq1], (vide below) His drughter, (87 q His sons-I Baland Akhtar, who died when young, (Tuzuk, of A'zam Khán Kokah, and to a drughter or Mazalfar Haram (Turnk, Preface), but Khan kays 997 He was married to a daugiher Sullin Khurnan was born on the 24th Amerika 995, (Tuzuk,

on the 7th Quiar, 1086. He had a son who died when young Sullin Parmer, born 19th Khán 997, died of delirium tremens died on the 18th Islandiyarmun, 1031

Sullun Johndar had no children He and Sallan Shahry ar norg daughter of Parwas was married to Dais Shikoli

Parwa, and Jahandar died before then tather ities, he got the melename Mashudani (fit for nothing). Khushu, daugliter, Arami Begum (Tuzuk, p 370) Brom his wint or ibilto the daughter of Ain Jahan by Sher Arkan, by whom he hul a Pickace, p 17) Shahiya was minred in the 16th year of dilingu, born at about the same time, a few months before Akbai's de ith (Tuk

of Danyal, belongs to the most coninsed portious of Indian History The insteay of the fate of Shahrya, Dawn Bakhsh, and the con-

On the mere approach of the troops of the enemy, Shihis ar's The other sons of Danjah, Tahman is and Hoshing, vere in Agin's Kan Khan had proclaimed Dawn Biklish (ilso called all populator tune engaged in the Dak'hin Int in order better to oppose Shihry it, agamet him Açaf Khán's object "as to support Shahadan, at that with which Shalnya wished to oppose Agai Khan, who was muching son, fled to him, and was appointed Sullin Sipthed in oi the army proclaimed himself emperor at Lahor, Bazasanghar, Daugal second The Pidishihmianh (I, pp 73 to 80) siye this, when Shihi at

m gakibyran † Theio neio 'sereral children' after Pars m, that died, Tuzal, P S. * For No v Mahall and Nor v Jahan, the Lafte being left our in title.

ogether with his wife, was captured the next day and blinded by oldiers ian area without fiing a single shot, and Shahiya limself, .nuA]

rder to kill Shahryar, Bulaqı, Bulaqi's brother (Garshasp), Tahmainas, ame which Açal Khán had played, was overjoyed, and sent dim an Shahyahan, on receiving the news of the success of the dangerous .nsdgassanghar. Keaf Khán. The Pádishánnah says nothing about the fate of

anghai's aimy, and that Shahrysi was next day taken in chains defore The author, however, says that there was one charge made on Baya-The account given in the Tuzuk (p 421), is essentially the same. om Tuesday to Wednesday, the 25th Jumida I, 1037. nd Hoshang These five were killed by Agai Chán in the night

Calimusas, and Hosliang, to be killed. Sháhjahán specifies Dáwar Bakheh, his brother Gaishasp, Shalityár, ate of Bayasanghar is likewise passed over in silence. The order of Cahmuinz and Hoshang were impironed [quase, by Davar] Oawai Bakhsh, and was blinded two days later. On the third day

and the sons of Danyal' to be killed, which order Agai Khan carried nade his companions" Sháhjalián's order only specifies 'Shahryán ons of Dányál were dealt with as Shalityár had been treated, and were was next mouning taken before Dawai Bakhab and blinded, and "the Shahiyai" (p 390, l 9) Theie was some fighting, and Shahiyar 390 to 394), is confused He says, "the son (920) of Danyal was with Thái Khán's account as printed in the edition of Bibl Indica (1,

n ni babna hosha Bettle was a battle which ended in a formed a coalition with the two sons of his uncle Dányál [Tahhe nsed for this portion of his history. He says that Shahryat he preceding three historians, though 1 do not know what sources Elphinstone's account (p 575) differs, in a few items, from that of Khási Khán says nothing about Dáwai Baklish. mo

Bakhsh] escaped to Persia, where he was seen by the Holstein am-In a footnote, Elphinstone says that Davar Shukoh [Quere, Davar put to death by order of Shah Jahan, Shahiyai, he says, and the sons of Danyal, were afterwards 10əfəp

that Davar Bakheli, die brother Guehtsep (sic), Shahryai, Tahmuras, The author of the Khulagatuttawarth follows the Tuzuk, and says bassadors [in A. H J042]

and Hoshang, were killed by order of Shahjahan,

X. Shiha'buddi'n Muhammad Sha'hjaha'n.

The concluding dates of the reigns of Shahylhan and his Descend-Begann, born at Burhánpúr, Tuesday night 17th, Zi Qi'dah, 1040 born Ideh Ramazán 1039, she died soon after luth (1) dulin died Rajab, 1030, died on the 23rd Slaban, 1037 (c) Admyliter, (d) Surayya Bánú Begum, died in the night before 20th 1026 (c) Raushau Rút Begann, bonn at Burhánpúr, 2nd Rautizan, who had the title of Mustatab Beginn, boin Wednesday, 21st Çalar, Died at Ajmin, 4th Rabi' II, 1025 (8) Jahen Ari Beginn, (a) Hurnmisa Begum, boin at Agrah on Wednesdiy, 3th Çilir, born Tuesday night, 4th Ramazán, 1037 Died 20th Rimrenn, 1033 ուցիէ, 14th Qանո, 1086 Dred 9th Rumasán, 1037 (8) Dani անուն, Tuesday night, 25th Zi Haylah, 1033 (7) Lutiullih, born Theodiy cerved a name, born 1032 (6) Murkil Bildirli, boin at Ribitie, Burhanpur, in Rabi' II, 1031 (5) A son who died beiore he liid teborn near Sarhind, Wednesday, 11th Muharram, 1029 He died at donn on Saturday night, 15th Zi Qa'dah, 1027 (4) Unined Bikh-li, day night, 18th Junada II, 1025 (3) Mihamiad Antingrob, (2) Mahammad Shah Shaja' Bahadur, born at Ajmir, Siene-Dárá Shikoli, born at Aymir, Monday night, 29th Çiin 1021 He had eight sons and six daughters —(I) Sultan Unhanning mubin, the restorer of Islam t Julus, 8th Innada II, 1037 ! accesson justified people to look upon him as the anywhild that time of his birth (end of the Millennium), and his first acts on his at Lahor, 30th Rabi' I, 1000 A. II . Historians make much of the Title, Galindanian sami Title after death, Lindan in infalia

ants, will form the subject of the next paper —

The President then exhibited three maps or the Sund norm

Ranney was struck with the interest attiching to such old recordseen there a very old Portnguese map of the truct in question. Mr. eared at standard largert of the transfer of the transfer of the state nuch followed the reading of that prper, the Rev Mi Long had been laid before them by M. Rimer, and that in the discussion that some months since, an interesting piper on the Sundarbur The President said—It will be in the recollection of the members

Khán bas 7th Jamada II The Trank erys 999 † Fide Proceedings for July, p 192 † Leaf

and wrote to Paris soliciting a copy of that portion of the map, which related to the Sundarban. He has this day sent me a note which I will take the liberty of reading to you, accompanied by the three small tracings which I lay before you the Rainey says—

"Agreeably to promise, I have much pleasance in forwarding herewith the tracings of the three ancient maps of the Geographical (Sundarban), which M. Cartamberd, the head of the Geographical Department of the Bibliothéque Impeniale, Paris, was good enough to send out to me

You may recollect that in the course of the discussion on my paper on the Sundarban, (vide the Society's Proceedings of December last), the Rev Mr. Long, made an allusion to a very old Portuguese map of the existing Sundarban tract, which (the late lamented) M Jomaid had shown to him, many years ago in Paris; and, thinking that a copy of it would prove very interesting and useful, I accordingly applied to him for it. But that venerable French sawant liaving died, his successor, M. Cartamberd, kindly favomed me with the tracings of the three maps I now transmit to you, and which I have tracings of the three maps I now transmit to you, and which I have

The first of them is said to be a map of the I6th century, and on a reference to Barros' Da Asia in the Society's Labrary, I find it to be an exact tracing of a part of the map there given to illustrate the Ath Decada thereof.

The second is stated to be taken from the chart of the kingdom of the Great Mogul by M Sauson, and is dated so far back as.1652. This map like the other two, has no scale affixed to it, which desirants in the che other two, has no scale affixed to it, which desiration and the che other two, has no scale affixed to it, which desirates and the other two, has no scale affixed to it.

der akum nakurally causes much conjusion.

The third and last is set down therein as taken irom the new map of the third and last is set down therein as taken irom the new map of the bringdom of Bengal by order of the noble Sire Matthews Van den Broucke in the Atlas of Francoi's Valentys to illustrate his most explicit and lucid of them all; it clearly indicates the five towns, siz,—Pacuculi, Guapitanaz, Moldy, Tipuria, and Dapara, the last of which is evidently the only place that can be recognized in the Revenue Survey Map of Colonel Gratiel's From the similarity of position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara of the position and name, it is evidently identical with the Daspara town, but now

an insignificant inland village.

numbered as I, 2 and 3, respectively.

sud inaccessible whilst others may still he concealed in the very heart of the torcat of come of them may have deen, perhaps, altogether washed analy, the very great changes in the comise of the laiger streams, the remains cities desore alinded to, are now very far in the interior, and, from This would inconfestably establish that the sites of the five scaport east and west thereof, the accretion of land has mere ised immensely Between the existing two large meet to the as it does at present Delta (Sundarban) did not in days of yose extend near so in south From all the maps it is very abundantly elear that the Gingetic

Society's Journal, as thereby Nou-resident Members will have a tun the desnability of publishing the maps, at least Mos 2 and 3, in the in concluding, would venture to suggest to the Council of the Society I shall refinin from offering any further remarks at present, but,

Several members made remarks on the intrusic value of the mapopportunity of referring to them."

dim, in order to lay them, together with some descriptive notes, at a that the Rev Mr Long had promised to take the unips home with without some explanatory remarks, and he said, he n're glad to state The President thought, it would be of no use to publish the urps

sucure meeting desore the members of the Society

The meeting then broke up

The following books have been added to the Library since the last LIBRARY

Meeting

suotyvjuoso i,T * Mames of Donors in Capitals

Proceedings of the Royal Society, No III -- Royal Society of

Proceedings of the Royal Geographical Society, Vol XIII No 2 ΤΟΖΏΟΝ

Bulletin de la Sociéte de Géographie Mais, Avril et Mu, 1809 — THE ROLL GEOGRAPHICAL SOCIETY OF LOADON

Journal Asiatique, No. 49 -Tur Asiatic Socn TY of Paris THE GLOGRAPHICAL SOCIETY OF PARIS.

SOCIETY OF LOLDON The Journal of the Chemical Society, March, 1869 -The Chemical

The Transactions of the Bombay Geographical Society, Vol XVIII

-Tue Bonbay Geocharmical Society.

Mineral Statistics, Coal.—The Geological Survey of India Tome XXI Premise Patie -The Inverse Lystrate of Frince. Notices et Extraits des Manuscrits de la Bibliothéque Impérsale,

Gattung Callophus (Gray), von Adolf B Meyer.—The Author. Ueder den Giftapparat der Schlangen, insbesondere uder den der

Official Correspondence relating to the System of Revenue Survey

Annual Report on the Meteorological Observations registered in in the Bombay Presidency — The Government of Bombay

the Panjab by A. Meil, 1868 —The Government of the Palake.

Purchase

[Aug. 1869.

Prakáza —Owen's Comparative Anatomy of Invertebrate Animals Italian, Spanish, and Portuguese Languages -- Cowell's Prakrita A. F. Pott, 2 Vols -- Notley's Comparative Grammar of the French, Thermo-Dynamics,—Etymologische Forschungen von Professor Dr. duta.—Wheeler's History of India, Vol II —Thomson's Treatise on Zend Grammai.—Satyam Jayati's Ritu Sanbara.—Ouvry's Megha-1869 —Shappunji Edalji's Gujráti Grammar.—Haug's Outlines of Unmismatic Chronicle, part I 1869 — The Calcutta Review, July, tory for May and June, 1869.—The Ibis, Vol V No. 18.—The Mai, et I Juin, 1869.-The Annals and Magazine of Matural His-Magasın de Zoologie, No. 4, 1869 — Revue des Deux Mondes, J. ologique, Mai, 1869 — Revue Linguistique, Avril, 1869 — Revue et Tome LXVII -Journal des Savans, Avil, 1869. - Revue Archédes séances de L'Académie des Sciences, Deuxième Semestre. 1868, Comptes Rendus, Nos 15 to 21, and Tables des Comptes Rendus

perties —Risalah i 'Atúz. Risalah i goi Chaugán —Táitkh i Rohilkand.—Reade's Landed Pro-Badáon —Tárikli Farruklábád.—Patwári ki Kitáb.—Hálát 1 Deltí.— X —Simpson's India, Ancient and Modein, parts 5 and 6 —Tarikh Lugduno-Batavi, edidit F A Gui-Miquel, Tome III Fasc. VI to and Roth's Sanskrit Worterbuch, inse 36 -Annales Muser Botanici la France de Madagascan et de ses dépendances, first part - Bohtlingk 1 eichzechen Fregatte Novara, Anthropologischer Theil - Recherches ent Inndsay's History and Comage of the Parthians,—Reise der Oster-

อธินขนุวชุฎ

The Athenaum for May, 1869

LEOGEEDINGS

ant 40

VEIVLIC SOCIETY OF BENGAL

ton September 1869

--

A meeting of the Society was held on Wednesday, the L-t metint, at 9 o'clock p. u

T Oldham, Esq., LL D, President, in the chan

The minutes of the last meeting were read and continued

Presentations were announced —

- From W M Smolly, Esq., specimens of Coral from the Anda-
- man Islands

 2. From J. Avdall, Esq., a copy of Chromque de Michel le Grund,
 Pertrarelle de Grund, Pertrarel Company of Chrometer and Company of Chrometer and Company of Chrometer and Company of Chrometer and Chr
- Figure, by Victor Langlois
 Patriaiche des Syriens Jacobites Praisfited from the America mico
- 3 From M L. Ferrai, Esq., C S., thiese incient Copper Coinsdug np in Roy Baieilly.
- The docurs are Bactrian, and would appear to be known specimen.
- in the noith-westein districts of India, Special Commessioner, Chete-A From Bahn Rakhal Das II ild ii, Special Commessioner, Chete-Ragpin, the following Sauscrit AISS —

Vatuka Bhanava Stava

Rudia Chándi Stotia.

אווי אוויים אומינייים

Aditya Hudaya

Adby frua Ramayana

Jyotishatrtva, by Raghiniand in Chineneling

Prasua Kammudi

Luchuchilante

Barindinamiter Vyakatana Mahabharaka in Bengah tor-e, by Kasmana Dasa (mecampleto,

Amara Kosha. Mahábharata, Virát Parva. Bhagavat Ettá, with commentary. Válmiki Bámáyana Tarpana Vidhi. Sri Kiishna Kavacha.

A Sapscrit Grammar, incomplete.

Radhika Stotra

Bhágavata Purana, with commentary.

The President said, he had much pleasure in proposing a special vote of thanks to Babu Rakhal Das Haldar for the valuable present he had made to the Society He would not ask a formal seconding of this vote, but he believed he was justified in asking the meeting to support his motion by general consent

The motion was carried by acclamation.

5. From M S Maskelyne, Esq , through Dr J. Anderson, a copy of 'Report on Jewellery and Precious Stones,' and a copy of 'Motes on the Mature and Composition of the Marnine Vases of the Ancients'.

6. From the Government Meteorological Reporter, a copy of 'Report of the Meteorological Reporter to the Government of Bengal for the

year 1868-69, with a Meteorological Abstract for the year 1869.'
7. From Babu Gopinath Sen, a copy of the 'Bacsimile of the inducations given by the Angmometer at the Surveyor General's

indications given by the Anemometer at the Surveyor General's Office, Calcutta, on the 9th June, 1869'

8. An English MS. Translation of the Tarikh Firoz Shahi, first part, by the late Major Fuller, through T. W. H. Tolbort, Esq., C. S.,

part, by the late major runel, through r. 14 m. rolooit, resq., C. 2., Dera Ismail Khán. Whe Pessident gold he thought it mener to drow the effection of

The President said he thought it proper to draw the attention of the meeting to this presentation. The MS, as it was, contained a good portion of the Tárikh i Firúzsháhi, the text of which had been edited by Sayyid Ahmad, C. S. I, for the Bibl. Indica. The translation atself had been commenced by the late Major Fuller, Director of Public Instruction, Panjab; and he was glad to announce to the meeting that Mr. Tolbort, whose excellent paper on the District of Lúdiáná would be in the recollection of the members, had declared himself ready to complete the English translation of this most importaintself ready to complete the English translation of this most importaint Historical work, He hoped that Mr. Tolbort would be inclined ant Historical work, He hoped that Mr. Tolbort would be inclined

but a tieasnie under lock and seal editions of the Bibliotheen Indien would be, to a very large extent, long as the public had no access to correct translations, the text er it if some exerced in edge of the engine He was entered in the lators, much better than at home, could overcome the geographic if it was desirable that such translations be made in India, whose transshould themselves publish translations of their historical n ords, because He folk convinced that it was of the utmost importance that the Society Committee of the Society for publication in the Bibliotheta Indies, to make over his translation, when completed, to the Philological

The following gentlemen duly proposed and seconded as the last

meeting were ballotted for and elected Ordinary Members-

E Hyde, E-q , Barrister at Law

Major G E Fryer, British Burma

J Westland, Esq, C S

J H Fisher, Esq., O S

Babu Juddulall Mullick G. Latham, Esq., O E

The following gentlemen were named for ballot as Ordinity Man-

J G Delmerrek, Esq , Assistant Commissioner, Revent Pundee, pro der at the next meeting-

posed by Badu Rajendrálala Mitra, seconded by the Secretriz

A D B Gomes, Esq., Commissioner, Sunderbuns, proposed by the

President, seconded by the Secretary

Panjab, Lahore, proposed by Colonel R Maclagan, seconded by T II B Gray, Esq., M B, Officiating Inspector Centeral of Patronis,

A Thomson, Esq., Inspector of Schools, Pyzdrad, proposed by M. Thornton, Esq., C S

H Blochmann, seconded by the President

seconded by H. Blochmann, Esq. A Allerdyce, Esq., Serantpore, proposed by J T Wheeler, L-4,

Babn Diganyara Mitta, and N S Merander, Esq. C 5, hve

Major W A Ross's re-election, announced in February 1804, br. intimated their desire to nithdi in from the Society

in the Labrary Committee, that Colonel II II, de had been nomi The Council reported that they had elected Mr G Keall to serve peen concelled at his onn iequest

525

nated to act as Treasurer to the Society during the temporary absence of Colonel J E Gastrell, and that on the recommandation of the Philological Committee, they had sanctioned the publication of Major T. E Gordon's English translation of Umar i Klraysam in the Bibl Indica—

These nominations and sanction were confinied

The following papers vere read—

I — Notes on the remains found in a Cromlech at Coorg, which were exhibited at the last meeting, by T. Oldhan, Esq., LL. D., President.

At the last meeting of the Society (4th August) some fragments of earthenvare were exhibited which had been found in a Cromlech, opened out by the order of the Chief Commissioner of Mysore, on the isomy Betta Hill, in North Coorg Unfortunately, these interesting isomains had been very insufficiently packed, and had been so broken up, in their transmission by the post, that nothing could be made out of the many small fragments One little vessel alone had escaped fragities.

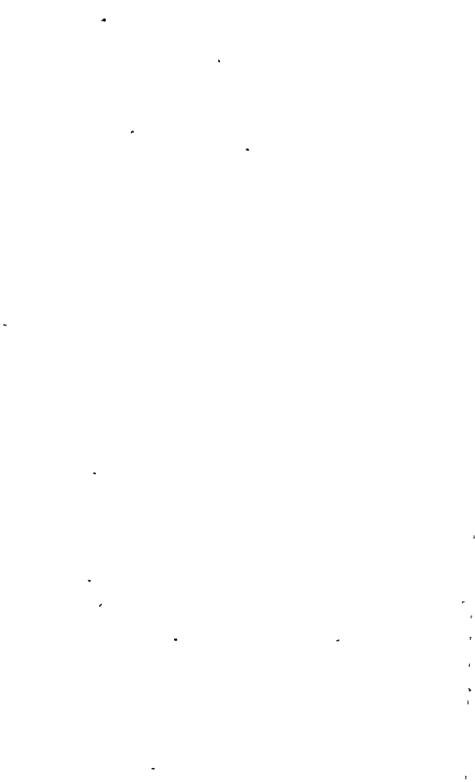
Along with these were some curions 'beads' and a singular metallic relic, the nature of which it was not easy to make out by lamp-light

After the meeting, I took these remains, and by a little patience, I was enabled to see that the greater portion of the earthen vessels to which they belonged, still remained, though so much broken up, and that only small parts were wanting. And, with a little care, the vessels have been again built up from their fragments, so far at least, as to enable accurate and full-sized drawings to be made of all. These diavings, as well as the putting together of some of the vessels, are due to the care and skill of Mr Schammburgh. Plate V shews all these relies of the full size

The earthenvare is of two distinct kinds The larger vessely which stands upon three short legs or supports, is of the ordinary baked clay, of the common-reddish-brown colour, and in no respect, as regards material, differs from the common earthenvare vessels of the country It is coarsely made, and for its size is thick and heavy evidently no care has been taken to produce anything better than the commonest earthenvare This is the only specimen among those commonest earthenvare This is the only specimen among those



Proc Assat Sec Bengal Sep * 1869



high including the feet although very laige as compared with the others, is only 4 melies in height. The baked clay vessel with the small tripoil support, of the originals, none of these vessels just described exceeding 12 meli contracted towards the month The drawings are all of the full form also, an open deep saucer or dish, with straight sides, not nary gluria or vater-pot. The lover figure is of a not uncommon The two upper figures represent miniature copies of the ordispecunens, as shown on Plate V, are oi black nabaked (sun-dried) sont to the Society, which has been baked. The remaining three

in the badly tempered material of which they are constructed, and vessels and which may be seen in the fignies, are due to irregularities A few irregular lines which appear to pass round the body of the to attract much notice. None of the ressels have been glazed, nor carred sides than commonly given. But this is too trivial a difficience The larger versel has, perhaps, somewhat straighter and leas differing materially from those manusactured and in use at the present As to general form, I can see nothing in these eartheurane re-sel-

evidently not to any design is there, on any of them, ornamentation of even the simplest kind

dise of coinclian indely oinamented on both faces, by short incling occurs among those sent up . There is also a small ental ir table or is, in most of the specimens, a sinuous or zigzig line. No other prittin bends, are continuous plain fine white lines but the centre of the five The extensor of these lines, that is, the two ucreest to the ends of the in number, which pass tound the bugle forming thin enteles of colour. plain, the remainder are all oinamented with white lines, 1011 or five together of these dugles or deads Among those cent up, one is borneg having obviously deen intended to inciditate the stringing bored through the centre in the direction of the long axis this down carefully on the surface into an elongated barrel slape, and or tubes, are long subiusiform preces of common cornelin, ground white in the centre". This is Capt Cole's description These beads agate, and have cueles in white tound, with a cigrog pittern in These are of the colour and description or portions of neckinces them, "several beads and tubes bored through, and evidently With these little earthen versels, were sent, as found rloug with

the centre space.

lines in white, which are placed round the edge of the cuele, but which though radiating from the centre do not extend to the centre. This small tabular piece of cornelian is also bored through on the flat, and would seem to have formed an appropriate finish or terminal for a neeklace, or ornament composed of these beads.

The only other atticle sent up by Captain Cole, remaining to be noticed, is also figured on Plate V. Thus is a circular dige, measuring $\mathbf{1}_{1,5}$ inch across, and in thickness, a little less than $\frac{1}{2}$ of an inch in a succession of slight equidistant entres, now a good deal broken or worn. The centre of the disc is pierced by a circular opening of from this centre opening, there also passes to the encunierence of From this centre opening, there also passes to the encunierence of the disc, an open slit or cut about $\frac{1}{12}$ inch in width, the edges of which are not ornamented with a rim similar to that encompassing which are not ornamented with a rim similar to that encompassing which are not ornamented with a rim similar to that encompassing

These are all the remains which have been kindly transmitted to us by Captain Cole through the Chief Commissioner of Mysore All as the Commiss

are figured in the accompanying Plate.

I have spoken as yet only of the external form of them. I would add a few words as to the materials and construction. As already noticed there is realised as the restriction of the restriction of the restriction.

add a few words as to the materials and construction. As already noticed, there is nothing in the material or form of the earthen ressels to distinguish them from such as might be made and are made at the present day, very commonly. They are rude in manufacture, and give no evidence of any particular care either in the preparation of the material or the fashfoning of the vessels. Indeed, what evidence they do afford, rather proves an absence of this care

But the other remains indicate a very different degree of manulacturing skill. The beads or buggles, as I have called them, are all of hard stone they have been carefully selected, ground down to a tolerably natiorin length, and size, and shape, and have been carefully boted. These results, in themselves, indicate an amount of skill, in those who impossible to conceive a large number of beads of this kind, of a very hard material, reduced to symmetrical and cylindrical form, without the use of mechanical appliances, which, however rude they may have been, evidence an acquaintance with grindstones, and grinding have been, evidence an acquaintance with grindstones, and grinding The metallic disc, which I have noticed above, appears to offer including disc, which I have noticed above, appears to offer still more interesting subject of study. At first glance, the general mass of the material of which it is composed appeared to be enthy great to admit of this idea, and I carefully saved off i minute portion, when the fiesh ent shewed that the core has copper. On testing this, it was found to be very nearly pure copper, the only other constituint present being earthy impurities. But on this copper core, there has been and a thin plate of gold, which originally covered the inhole surface has been ling plate of gold, which originally covered the inhole surface ing just in the indented hollons of the little our minim, excepting is now gone along the bioken off the inseed iim round the centre hole, and it is also seen to be worn off the inseed iim round the centre hole, in part exposing underneath the input coil of the dise, the gold plating iemains tokinally perfect, bioken the face of the dise, the gold plating iemains tokinally perfect, bioken

I have seen, in the Noith West of India, beads of greatly more claborate and finished design and beauty, constructed, generally, in exacely the same way as these now spoken of, but nith more identical exilt in the manufacture. These are invariably supposed by their possessors to be not of local make, but are spoken of as Solmani, and as brought from other countries. My colleague, Mr. Theobald, had a fine series of these, and will, I hope, lay them before the Society

fallen out, after the completion of the ormanieut, or during its no down below the ground surface, and in a few eases, it appears to have meeteed, as is proved by the surface deing almost invariably norm dinable, it was of inferior hardness to the stone, into which it nas me to have been baked, or slightly burnt in Although hard and ang, if practicable, what the material used consisted of . It appears to pievented our attempting any analysis of it, with a vien to ascertimblack or coloured. The small amount to this which ne possess, has similar in general principles of constinction in which this enimel $n\alpha$ mens now defore us, this pigment is white, but I have seen beads into these meised patterns a pigment or enamel. In all the specibuttern which it was intended to produce, and by then marting This has been produced by eutting or meising into the cornelin, tho stones, they have been earetally and very skilfully ornamented But in sailition to the grinding and polishing and borney of these materials, which the earlier stages of man's knowledge did not possess

up by small projecting or slightly raised portions of the decomposing copper which have forced their vay through the porous and unequal plate of gold. This gold is of lightesh line, and probably contains silver, but not in any quantity, as the hardness slieves. The quantity, as the hardness slieves. The quantity arithm greatly injuring the orinament, was far too small to ascertain the proportions.

The thin plate of gold, and the copper one on which it is laid are quite distinct, and can with a little care, be separated in small pieces.

The thin plate of gold, and the copper one on which it is laid are quite distinct, and can with a little care, be separated in small pieces.

The thin plate of gold, and the copper one on which it is laid are quite distinct, and can with a little care, be separated in small pieces are this thin plate of a piecious metal, so ingeniously laid over the core of a cheap material, to produce so excellent an over the core of a cheap material, to produce so excellent and over the core of a cheap material, to produce so excellent and over the core of a cheap material, to produce so excellent and over the core of a cheap material, to produce so excellent and over the core of a cheap material, and the core of a cheap material and the cheap material and the core of a cheap material and the core of the cheap material and the core of the cheap material and the contents and c

For instance, on the surface of the narrow cut or slit passing from the . points where this presente or force could be least conveniently applied peen a failuse to produce an even, good suitace, precisely at those think thus was the process adopted, by securg, that there has metals to cause very complete adhesion. I am the more disposed to admit of quite a sufficient intermixture of the surfaces of the two lauty of it, resulting from the admixture of little impurities, nould it, and actually into it The softness of the copper, and the ineguto the surface of the copper core, and forcibly pressed into contact with producty in the state in which it was obtained, was simply applied ease, I believe, no other means were adopted, but that the gold, in all incised pattern, and subsequently burnished up And in the present attachment, the gold is simply applied and punched or pressed into the durable work in the inlaying of gold, dee,, use no other means of per deneath The native metallurgists who to this day produce such a continued pressure and working it into the surface of the metallic copnothing more than the attachment of the thin plate of actual gold by must have been, I think, used I believe myself that this process was to the constinctors of these Crowlechs, and some simpler process secreecily suppose that the principles of electro-metallingy were known But we can by electric deposition, and then the whole duinished up simple Such a plate or thin layer of gold would be thiown down modern practice, the solution of the question would be extremely would do no discredit to an excellent jewellet of the present day. In effect? The two are remarkably well joined, and the workmanship

centie to edge of the dise, and on the raised curved simface of the edge

applied, and therefore adhesion more periectly secured, it remains little hollow, between these seellopings, where presente could be easily From all these the gold has nearly di-appeared, while in the

The total weight of this dise in its present state is 170 25 granns,

II 8 earm to 13 qa

Whatever the process adopted, the result is excellent and abunding

the earlier stages of the metallurgic arts this early specimen of imitation jenellery, had advanced in beyond proof that the makers of this little ornament, the minufacturer, of

But who were the makers? Were they also the people uho con-

cerned, there is no necessity to suppose that these ornanients were or great distance either So that, as far as the materials used are conperiod. Agates and cornelian were procurable in any quantity it no simplest of metallurgic processes, and was known at a reil cull diate use, while the teduction of copper from its ores is one of the For the one, the material could be obtained in a state ready for numecopper and gold could have been obtained within short distinces employed which would force us to adopt the latter view whom they maintained intercomes? There is nothing in the materials were these ornaments obtained from some other people or race, with structed these rude earns, and encles or stones and lastracus? Or

The very brief desemption given by Captain Cole of the Cromlechia other than local manufacture

elosely adjoining districts, ne find that these earthen resels, et be made to the earlier examinations of very similar remains of of some importance to know exactly how this was For, it reference closure, would seem to have deen on the level or the ground It would appear that this 'aiched cutranec nithin ('into) 'the enevidently to have formed an arched entitude within the enclosure." er or estout ball and upuralle stibe arched another or is former portion of the description throws a doubt on this, for it is found beneath the natural level of the surrace of the ground. But the all in minimizer I presume from this, that these remains note all exact pattern and description found elsewhere, nere discovered, but concentite rows of stones was exeavated, and eartheu reschoot the mode of then occurrence He merely says The space within the in which these were found gives us very little intoination as to the

елеп пои

iron instruments, and other things

vessels were also ranged on the shelf, or ledge of the tock, with some ones, in which were deposited beads, bones, &c Smaller earthen mushroom shaped stone In this large chatty, were placed other small cisely in the same way as was the centre chamber at the top, by a was placed a huge earthenware pot or chatty This was covered, prewas excavated forming a semi-oval conical cavity in the centie of which to form a ledge or sheli all tound below'this level again, the rock regularly excavated chamber, the rock (laterite) being cut down so as Thus iormed the capping to a it was not more than 6 to 8 inches from 2 to 3 feet thick in the centie, thinning off to the edges where of stone, the one represented was from 6 to 8 feet in diameter, and Mi Babington iound a chamber covered over by a very large block inom the larger. In one of these repositories of the ashes of the dead, interesting from the evident separation of the smaller earthen vessels Malabar,' in the Trans Literary Soc Bombay, in. \$24). This is also the valuable paper by Mr. Babington 'On the Pandoo Coolies in position in a chamber purposely excavated below the surface (See the same pattern, were all carefully placed in symmetrical order and

The large central chatty or earthen vessel which Mr Babington found, in the cave or chamber he opened, was more than five feet high, and iour feet in diameter, while some of the smaller ones were quite that having examined this in place, and extracted from it the beads, small that having examined this in place, and extracted from it the beads, small broken up and removed in preces It proved to have been only half baked, the centre being black and gritty Indeed to bake an earthen pot of that size, equally and well, would be by no means an easy task pot of that size, equally and well, would be by no means an easy task

I have alluded in some detail to these researches of Mr Babington, because it is by no means clear that the ground, excavated, by Captain Cole was in its original state, or that some such chamber had not originally existed and been crushed in. It in his researches, Mr. Babington had been content to excavate only as iar as the ledge of rock, he would have found nothing, but small earthen vessels also, and he might have been led to suppose that they were all in ministure. My first impression on hearing this was that the depository of some My first impression on hearing this was that the depository of some

as I have described

is vourite child had been met with, and in it had been placed the ourtments and toys, with which the child had a much and toys, with which the child had amused him-chil while alive But I do not think there is any sufficient proof that this was so

The general character of these depositories n.a. found by Mr Babington to vary according to the nature or the soil or rock on which they nere constructed Where the soil is or considerable depth, the large vessel of baked clay is generally found alone, and is the depository of the bones, beads, arms, &c., nhich are tound in most of these sepulchies, but where there is little onl or the rock coines near the suitace, then a chamber is found regularly exertated,

And to this chamber, an entrance was recuted by enting regular steps proceeding by an incline at the side to a doornay or squared entiance, which was subsequently closed by placing ugainst it another squared slab of stone, covering the space

As proof of the tact that these Kull or Goolies of Malabar are or very much the same age (although I believe later) as the so-cilled Cromlechs of Goorg, I may mention that the beads tound in the one are in size, shape, material, style and mode or ornamentation, identical

with those obtained from the others as bearing on the aussitou of the vasition

one tenames of non weapons and tools, snords or the ordinary so cilled Mi Babiugton's prpers reserved to With these ne sind numeras the use of peculiar and difficult tormed slapes (See illustrations to use of a glaze, and the application or distinct rude orn unentation, as n (I of the apparently later forms, we have earthein are omaniented by the once in die, climital even partially, and in some some π days eachenware of two kinds, some of the larger pieces being of sizes trance to these chambers provided by regularly cut at me or alopa, ne chambers exeavated in hard material into Sunneticel form an enarched figures, and tormed into regularly dressed openings, no bard of large size, chipped down to rudely symmetrical form, shaped into these remains must have extended) we have entendly shaped stones lengthened period over which the construction of many lumdieds of very large degree of progress in the industrial art, during the very being of one great age, though I believe there is sufficient to show i the age of these very remarkable works, (and liene I will take all as Now we have then the following facts as dearing on the question of

Roman form, spears, axes, cleavers, &c. No coin of any kind has as yet been found in these places, and until the present case, I am not aware of any metalite objects having been discovered, except those iron remains just noted. All these facts, and more especially the free use of iron tools, and the tolerably vell preserved state in which these to damp and air undergoes) lead me to believe that we shall err greatly if we attribute to these remarkable stone rings and erections any very great antiquity. And I believe the evidence is sufficient to shew that the knowledge of the industrial arts among the people who constructed these depositories of the dead, was sufficiently advanced to constructed these depositories of the dead, was sufficiently advanced to curious relies tound with their bones and ashes. I believe they could curious relies found with their bones and ashes. I believe they could may made them, whether they did or not

At the same time, it is by no means improbable that they were procured by barter or otherwise from other races, with which they held intercourse. Possibly the false or imitation character of the small nietailic ornament might tend to confirm this behief, or it may have posited with the ashes of its owner, merely because it was of no intrinsic value. It is by no means improbable, in my mind, that it and many others of similar character may have been imported by the earlier others of similar character may have been imported by the earlier of similar character may have been imported by the earlier of ministration of whose fleets visited the well known harbours of the Malabai coasts some centuries since

I can offer no conjecture what this disc was intended for, or what the object of the slit may have been. It could scarcely have been intended to be used as a brooch, on the same principle as the now well known This brooch found, with other slit brooches, in Lieland, masmuch as in the present case, the material is of equal thickness and size throughout, and there would have been nothing to prevent the pin from supping off. It was to be used separately, and was not attached from supping off. It was to be used separately, and was not attached of attachmently to any other article, as there is no trace of such a point of attachment, and the coating of gold has been originally extended orei the entire surface

I have laid these few remaiks before the Society, trusting that they may excite the attention of any who may have the oppoitunity of extending our acquaintance with the remains of the races inhabiting

this country, before it passed under European sway. The study of the mechanical and industrial history of these i ices, as exidenced by the few iemains which have been preserved to us, is one inll or interest, but is also one which can only be successfully prosecuted by means of the combined labours and continuitions of many

II — The Uneceenth Book of the Gestes of Prilinis by Chand Burdin, entitled ". The mannage with Padmárati," literally translated from the old Aindi by John Beanes, Esq., B O S (Extract) ~

I have selected this spirited poem as a first specimen of translation from the Prithirsia Ráss, and it must be regarded solely as an except in translation. Oband's language is archair, his divided is ningible as this definite separation of the two languages, his poetic heedees are numerous and diving, the text of the sole manuscript I have yet had an opportunity of thoroughly studying is very corrupt, and I have no Pandit to help me. I tely chiefly on my own resources. Have, however, used with very viluable theights, dictionaries of Pandsh, Sandhi, and Camariti, and a glose it of the Marvair dialect. Still much remains uncertain and conjectural, and the Marvair dialect. Still much remains uncertain and conjectural, and I am open to any criticisms, and ready to admit that I may have

Here degine the unitings with Palmarati

made mistakes where " tantum difficile est non evare"

Couplets (दादा)
In the Eastern land there is a fort, lovil

In the Eastern land there is a fort, lord or roit., Samud Sikhar, hard or access,
There haves a victorious here, lord or kings
Of Jaday race, strong-armed
With retinue, horses, elephants, much find

With retinue, horses, elophanes, much land And dignity of a Padshah (पानिचाय दे बर्जार)
A mighty load to all his servants,
With pomp and standards rery splended

With many standards very splendid,

* The nhole piper n ill be published in an erry number of the John d

Fairer than the whole sixteen digits, Fan as a digit of the moon, Beauteous as a digit of the moon Riom her dieast a daughter spring In his house was a well-born dame, Padam Sen, the virtuous prince, Had he, Padam Sen, the victorious prince, Storehouses, countless millions of wealth Charrots of beautiful colouis, very many Ten sons and daughters all told Holding the earth in his away. A sole tulet wielding Siva's bow, A valiant aimy thuty lakhs strong, A lord of countless elephants, With golden hoofs and Jewelled trappings. Monnting ten thousand horses Song and music playing five times a day,"

A pearl from head to foot, glittering like a serpent She had [the beauty of] the diamond, the pariot, and the bimb. She had stolen from the deer the glance of its eyes Like a lotus expanding through love of the moon-dery. When he has drunk the annit juce In her childish guise she rivalled the moon

to her "syan-like gait," but nothing connected sions to the lotus, to Káma, the god of love, to her name Padmávati, I can make out allulessly corrupt and unintelligible as it stands This sixth stanza vants a line or two in my copy, and is hope-

Well she knew the sixty-four aits, (बाखा °L She had all the auspicious marks [on her body],

She was like the Spring among the six seasons She knew the fourteen sciences, (3711)

Playing about with her companions

Then her mind was joyint. Her eyes lit upon a parrot, In the gardens of the palace

8

* At his palace gate, as is the custom with Indian princes.

6

12

OT

Poem (क्निक) This peeiless model of a woman --This finished work of the Maker This form from head to foot, The pariot seeing the beauty of the puncer, 'II' Rosming and plucking flowers Her mind slipped away from the pariot Went to play, forgetting everything, In it she was taking and placing it, She was taking and placing it In a deautiful eage, inlaid with jewels Having taken it maide the palace Reloicing with Joy, pleasure in her mind, Then she took it in her own hand Avoiding its beak, she seized it, , Barlyyust bar Bartettuf beteitet M She atrove [to eatch it] with eager eyes, Likening the beauty of the pariot to the bimb-ning Her red lips thirstily opening, Expanding like a lotus in the lays of the 1m Her mind was very loyful

"Forestalling Hais, the joy of Unia" " My Lord Prithinal shall obtain (Said) "This beauteously moulded toum The parrot looked nith his eyes, and n is pleased In the flavour and fragrance of the god of love The bee hums round her, forgetting his meture Her nails are drops of Snati (pearls), White-tobed, her body sumes, Swan-like her gut, slow-paced Pagent as the blowing lotus, Rivalling the dawn, with a voice like the hold Wavy tiesses fail to see,

III —On the Meenus, a wild to the of Central India, by Lieutexaxt.

COLOXEL C L SHOWERS.

(Extract)

[Received, in part, 2nd September, 1867]

regulars with a total absence of sympathy with them exhibited remarkable fidelity, operating even against the Mutineer the late Mutiny of the Mative Aimy in 1857, this same Bheel corps s held-day equal to any native regiment of the line Officiating Political Agent to inspect the corps, when it went thiough the shrill hhilkee, or Bleel war-cry In 1850, it fell to my duty as and anows, fresh from their native hills, which then as yet rang with I saw the first recruits emolled, naked sayages with bows Year 1841 The Meywar Bheel Corps was raised by Col Hunter in the became, united as a Corps, the main instiument of order in the dismen, weaned from the habits of a life-time as professional plunderers, the first Bleel Corps, that of Candersh, in 1831 In a few years, the the process of breaking in take long comparatively Outram raised of the Government which knows how to deal with them * Nor does to military training and for deing reclaimed as tine and loyal servants and to the capacity of wild tribes, albeit heretofore hereditary tobbers, once to the wisdom of the policy puisued by the late inleis of India to our Government which some of them have exhibited, testifies at tions, Bheels, Meenas, &c., and the high state of discipline and fidelity throughout India, composed of Aborrgmal races of various denomina-The existence of the several local corps scattered Foreign States ginal races have fallen, whether in other Birtish Dependencies or in think, fear comparison with any other Government under which Aborrsubsisted for many generations back, the Government of India need not, I taking it as a test of the character of the rule under which they have In considering the present condition of the Abougines of India and

While one race of Abougines occupying the western district of the Meywar States were thus being reclaimed from their lawlessnesses and reduced to habits of order and usefulness to our Government, another

* Akbar appears to have been the only Muhammadan ruler that traed to an over aborquind tribes by forming them into military Coaps How he succeeded may be seen from the Anal Abbari (Translation, p 252) —The Suitor

race, the Meenas, mhabiting the North Eastern districts under the

bleeding heads in baskets-inli upon their on u heads, and wilk in profound in it at once decapitated, and the n onien compelled to earry the On a tobbery being traced to a village, it was surrounded, ill the men duck after Jehazpoor fell into the possession of Kotah in 18116 by the appailing severity of the measures of the noted minister Zilini was accorded to Jehazpoor during the early part of the present century deen a notoriously disturbed district A brief period of transmillity From time immemorial, Jehaspoor, in the State of Odey poor, lind as remaining in progress at the present day zation and for icelaiming the race were there derived and set on not contre of the disturbed district in question, measures for its tranquillimy duty then to take them in hand, and proceeding to Jehrzpoor, the numbers of the inhabitants also, holding them to ransom eariging off not only the entire plunder to their bill fistnesse, but and pillaged several walled towns in the Birtish distinct of Ameer, impinity had reached to such a pitch of audacity, that they attiched in the year 1854 the lawless excesses or the tribe emboldened by long under wluch the Meenas fell particularly under my observation, that title of this paper, I may mention, in explanation of the enchmistances off in of lawlessnesses. And as this is the rice referred to in the same political jurisdiction, were yet 10% cling in the elected of their

sposed for the lanless ossupation of professional manufers, Levis a Hen noticed a film in the way roots the mortified bed intellighted of the district, however, to Meynar in ISI9, it soon relipsed into its the village to which the bangle might be traced On the restitution fact), and there it would lie till the drift and covered it, not to diop off a woman's ankle (so an ancient of those days illustrated the Jehazpoor remained in the possession of Kotah . A gold bingle mucht effectually checking the excesses of the Meenas during the period that seenrity However revolting the system referred to, it succeeded in the surrounding knolls, serving as a chain of natch toners for mutual the Reens villages have distributed themselves in detached lints on possible recurrence of such fatal surprises, the unhabitants of some of who have witnessed these grim processions. To guard against the There are men still living, and I have conversed with them, ession through the neighbouring villiges suging their neith judilee

strong hilly and jungly country where the boundaries of four iorcign strong hilly and jungly country where the boundaries of four iorcign junisdictions meet, see Meywar, Boondee, Jeypoor, and Ajmeer.

There are twelve tribes of Meenas in Central India, but the one under notice is called the Purihar tribe. These are descendants of the Purihars, who were the dominant race in Marwar, till dispossessed of their ancient capital (Mundole) by the Rhatores towards the close of their ancient capital (Mundole) by the Rhatores towards the close

10,000, distributed in 200 villages, are located along these border of male adults in the tribe is about 24,000, of this number about ally to coerce any of their Meena subjects, so called. The aggregate that have been made from time to time by the rulers of States individuas one man, have always united to repel the frequent futile attempts have never really sneeunded to any Power, but hanging together Raypoot States, yet fortified by traditions of former ascendancy, they ding pursuit by endisting in their favor the national Jealousies of the selves in fallaks or gangs, to increase probably their chances of evaterritories respectively it has surfed their purposes to locate themnominally owning allegrance to the States upon the verge of whose oi wild independence throughout the long interval since, for though land of their lost dominion seems to have maintained them in a state same indomitable spirit which carried the Purihais forth out of the lawed Thakur Jawahir Singh's followers were these Meenas. Thus, in 1847, some of the boldest of the outruder noted leaders marauding movements that have from time to time been organized hand against them," plundering in gangs and joining any of the great tinued ever since, 'then hand against every man and every man's a race of outcasts without a common head, and such they have conin the Chronieles lurking on the quadruple boundary above indicated, his dynasty perished. In a generation or two afterwards, they are found generation from Nath Rao, the last Mundote Prince, with whom hannts. This then genealogists represent to have been in the second the present Armeer Istimraice and contiguous to some of their present ing they got possession, subsequently, it would appear, of Bagherali in them, I believe, to be found in Maiwai at the present day, but emigratto have succumbed to the new rule, as there are no descendants of of the 14th century. Though defeated, the tribe would appear not of then ancient capital (Mundore) by the Rhatores towards the close

traces

the record of their systematic obstruction to the officers of our Governor Ajmeer as the field of then repeated involus, it would be tonisd in by then having deliberately marked out the prosperous Bittish distinct any other proof of this were needed than that then so recently analy day character of the Birtish Government as the purmount poser utter ignorance up to the day of my arrival mong them of the true most notoworthy eneumstance perhaps relating to the tirbe, nar thur bility of finding support nom the village lands. Collectively, the the villages have decome greatly over-populated as acgulda the poasior otherwise dominite women totably abdiveted in their tails widows of then deceased elmemen to the unmber or two or three each, ferocity All are married, and many besides, take in keeping the fusion, and drinkers of spirits which serve to increase their natural are great eaters of meat which then eattle-litting raids turned in pro-Free from the ordinary pregudices of easte, the Purhus It is never detached now then person ior a moment, with iz kattan, or double-bilted dagger, which is a werpon they peeulively of a superior mannifacture, about half with the bow, and all with the indomitable spirit. About half the tribe are armed with matchlocks deretand the effect of this cheirshed pride of buth in supporting their even the ancestry of the women is duly recorded. It is easy to unadditions to the family ties whether in the male or semale branch, for is occupied in recording in the ponderous MS volume the recent tound Each family engages his company tor one entire day, which the tithe is the honored guest in every village he tites in his sinnil the four warnor races on the holy Mount Aboo. The genealogist or the celestial origin of the Purihas on the occasion of the creation of beyond the bounds of distory to the legion of myth, till they write it pride of buth indeed is excessive, fostered by traditions ascending bed as many daughters of inserior tirbes as he can support. There hat will not give a daughter in mairinge, though he will tike to he neither eat, smoke, nor intermarry with them, that is to say, the Purivothing in common with theseinces, but then landesnesses nal Blicel, Man, Kole, or low easte Meena of the Arrenll, so he his Similarly as the Parina has no resemblance to the Aboresemany of them tall with fine countenances, denoting their superior Individually, the men are brave to desperation, athletic and harly,

ment in the prosecution of their duty when it happened to lead them to the vicinity of the Aleena villages

Their raids into the Birtish provinces brought matters to a crisis, and it was necessary to put them down. But in contrast with the unfortunate contests with savage races which are going on at the present day in other parts of the world, it may not be unworthy of note that the tranquillization of Jehazpoor was effected without a shot being fred.

LIBRARY.

The following additions have been made to the Library since the last meeting in August.

*** Mames of Donors in Capitals.

a

Proceedings of the Royal Society, Vol XVII No 42 —The Royal Society of Lozdon

The Journal of the Chemical Society for April, May, and June,

1869 —The Chemical Society of London, Part III 1868 —

THE Noological Society of the Manchester Literary and Philosophical Society, Vol. III., and Proceedings of the same, Vols. V. VI and VII —THE

Mol III, and Proceedings of the same, Vols V, VI and VII —THE

DIRECTOR OF THE GEOLOGICAL SURVEY OF LADIA

Ramayana, Vol I part 7, Edited by Pandit Hemachandia.—The

Professional Papers on Indian Engineering, by Lt.-Col J G Medley,

Vol VI. Xo 24.—Tur Editor.

Discoveries in Science by a Medical Philosopher, by Sir G D.

Gibb.—The Author
Report on Jewellery and Precious Stones M S. Maskelyze, Esq.

Motes on the Muridine Vases of the Ancients —The same Chronique de Michel le Grand, par V Langlois —J Avdal, Esq Reports of the Meteorological Reporter to the Government of Bengal for 1868-69 —The Meteorological Reporter

THE SYME

- Report on the Boiest Administration in Ondh during 1867-63
- The Government of Indian Stration in Meyort on the Boiest Administration in Meyort on the Boiest
- Selections from the Records of Government, North-West Provinces, Vol V.—The Government North-Western Provinces

Purchase

The Feins of British India, Part XXII — blaz bluller's Rig Veda Tevle and Pratisakhya, Part IV — Hewitson's Exotic Buttenflies, part 70 — Journal des Savants, blai, 1869 — Comptes Rendus, Nos 22, 23, 24 — Revue des Deux blondes, 15th Juin, 1st Juli, 1869 — The Authropological Review, No 26 — Revue Archéologique, Juin, 1869 — The Annals and blagazine of Matural History, No 19 — Revue de Zoologie, No 5, 1869.



PROUEEDINGS

BHJ. AO

ASIATIC SOCIETY OF BEACAL

ton October, 1869

at 9 o'clock, P u A meeting of the Society was held on Wednesdry, the Gth Instant,

The Hon'ble J P Norman, in the chair

The minutes of the last meeting were read and confirmed

1. From Manlani Agá Ahmad 'Alı, two copies of Bisdink i Zara-Presentations were announced-

nah, and two copies of Shamsher t Lectus

From Angor F W Stubbs, Unitient, Two silver come of Ji-

hlı Blochmann endngnatı

are uppeer stiuck by Jahagu (1605 to 1627) The coins are well The two come which Major Stubb, has presented to the Society,

solubed by Musden in his Amismala Orientalia न एक भीताञ्चात भारू his letter wined accompinied the donition, they have not been depreserved and are of interest, decense, as Aijor Stubbs observes in

ביב שנו ע (נפים שלה צבנו שו שונה מס cely me splike was the eel I noth no

"Through the name of Shah Jahangu, son of Shah Ardur, hybr

for ever test on the counge of Lahor e, May the lustic of the name of Shah Jahángir, son of Abb at Sh b, play always be on the face of the counge of Libor"

161811, 01 1034 A, H (A D 1623) (172 Plate VII) The second are take continue the year 13am, the 19th year of his

ment no beaning

The inscription of the two near forms a verse in the metre Mustassi

each area containing one hemistich 🕆

From J O. Lenpolt, Esq., O S, Some earthen Medallions

Mr Lenpolt forwarded the following Memo bearing inscriptions and a bionze figure of Buddha

small baked earthen biscuit-like things were found, of which I forward mound itself between the interstices of the brickwork, a number of again filled it up In digging round about this mound, and in the the water would have deen of no use, as the daily lains would have was some three to four feet of water in the hole. To have drawn off but was then compelled to desist as the ining had commenced, and there I continued the exervations some twelve to fifteen feet lover, the top, a small square aperture reaching to a level with the ground was had been used instead of mortar Alter digging some filteen feet from layers of brickwork; detween the discks, which were very large, mud The digging was rather difficult, as the labourers had to cut through "The mound to the east is a large stufa Into this I sank a well. Archeological Survey for the season of 1861-62, A D, paras 174, &c. remains, &c., can be found in General Cumingham's Report of the that I was able to carry on the work A description of the ruins and was only during the months of May and June and a part of July last, ment at the Buddhist remains situated in and about Kasia village. I had the supervision of the excavations made on the part of Govern-, Whilst in charge of Sub-Division Kasia in Gorák'hpúi District,

mencement of July I was removed from the 'Azimgarh Distract, I was Bennies, and appear to be portions of a monastery As in the comcovered. These rooms are similar to those found at Saionáth mean with the floors of the rooms some five feet underground were disstula was removed, and the remains of walls some three feet in height The debris from one part of a circular not much work was done Budh, I believe, which I forward also At the ruins to the north "Close to the mound was found a small bronze or brass image of

a number, I have been unable to get any body to decipher what is

då dar i u mat'ulum ———, ya sikkaé mata'ulum v — v —, lákúr ta'lán cenicus a minor (-- o v) Thus we have handshadd mala'ilan v - o -The second hemistich has in the second foot three long syllables for an

arelicological discovery being unde rs essetully and thoroughly done, it would result in some sithing unable to confinue the exeavations, but I have no doubt that n the $n\,\omega^{i}l$

They have the same Prakrit inscription throughout, and half inches, and then thickness, about one-third of an inch 'The ran L ban one tweels at retemblish that the band one sale in electron of the contract of the contr

From D. Mohmdia Lal Surkni, a copy or 'The Calentia Journal confus it is supposed, formulæ of belief

of Medicine, for May, June, 1869,

Angust, 1869 logical Results from the Observatory at Vizagaputani, for the month of From Unising Rao, Esq., Vizagipri in, a copy of 'Metco.o-

Carleton, C B, R A, which accompanied the account extract regarding this accident is taken from a letter by Col п apliets occasioned by the close discharge of electric flind. The following struck to the ground apprently by a violent concursion of the atmoa thunder-stoim on the 18th of August, 1869, when inneceen men neve singular accident wlitch occurred at the Ann Poundry, Cossipur, during From the Government of India, A copy of Account of a

". It is most providential that the note and and accorded from at It." trans to rush format and key it just as the Ladle touched the ground course flew round at once, but struck no one, and the ora earlind were projected from it, fortunately, several teet, as the aniches of following the metal, telt no sensition at all. The men at the crime metal, by means of a skimmer which is used to precent the dress noa ladle who suffered so, but through the medium only of the moltan more remarkable, one man connected by both bruds with those it the no sensation, was astonished at seeing the nortemen till, and i, hit is The overseen who telt monissing on the ground and disconnected above-inentioned, and who nere all connected, and the other men nere were three men with a small ladle of metal quite disconnected with thiss re connected by non stays with the non 100s of the building attending the eighe which is constincted of both 400d and 17011, and end holding the guides which, of course, are of irou Six men nere brought cound by the eanie to the easting pit by eight men, iour at each of the metal had been drawn out into the large ladle and vere being "The men were engaged in easting a large voller, and about the tonis

812

fallen on its side, and in an instant the helpless creatures on the advanced; for had the tilting of the ladle commenced, it must have

have reached them from without, for it-would have been impossible ground would have been in the midst of the metal Noi could succour

to drag them out without stepping into it."

of the electric fluid appears to me to have been from the corit were almost impossible for the latter to be struck these hve conductors in such close proximity to the monding shed, tion they may afford; for it would have been thought that with are all armed with lightning rods, and to show how little protecyour attention to the position of the Foundry chimneys, which

duection of the south-east door-way near the small cupola" men in the south-east angle of the room, and made its exit in the have followed the course of the floor, however, to have affected the which is connected with the 100t by several 110u stays, it must then rugated iron roof down the large crane which was being noiked, and " My principal object, however, in sending this report is to diany

mainly attributed, was also that of the eaving of hie, viz the large "I have no doubt that the same cause to which the accident may be

close to it, and which cannot be less than eighty feet high and has a at all by this building in preference to the gun furnace chimney so direction; but it is wonderful that the shock should have been received the metal root, which dissipated the electric charge rapidly in every quantities of metal lying about both inside and outside, and principally

"As the efficacy of lightning rods has been a good deal dispated by conductor,"

struction, so little inised above the surface of the soil, that povider is valuable, and it might be assumed that it is to their peculiar conscientific men, every fact which can be drought to dear on the sudject

7. From the Government of Bombay, a copy of 'Report by H J magazines owe their immunity from danger."

Stokes, Eag, Fust Assistant Collector, Belgaum, on the preservation

now deposited with the Royal Asiatic Society in London, of printing Mr Walter Elliott's collection of Canarese mecraptions, of the Canarese meciptions in that district, and the advisability

From the same, a copy of 'Report on the Progress of the Am-

igs in searching for Sansent MSS in the Bombay Presidence. a copy of ' Report by Des Bühler and Kielhorn, or there Pin-From the Under-Secretary, Government of India Home Depict-

A D B Gomes, Eq 1 G Delmeriek, Esq -and more balloted for and elected Ordnany Memberse following gentlemen duly proposed and seconded at the lac

e following gentlemen were named for ballot as Ordinary Mem-7 Allandyce, E.q P-St mounous A R Gray, Esq , M B

ate W J A Wallace, proposed by Col H H, de, reconded by Ormsby, Esq., L. L. D., seconded by C. A. Huket, Esq. A Barker, Req., M D Civil Surgeon, Cachar, proposed by e the next meeting—

tom Its 25, to Its 32-8-0 per mensem Confirmed ittee, they have increased the pry of the Casiner and Accoundouncil reported that on the recommendation or the Einsuca Oldbam

his Covenant was written in Kulie characters by Hashim, it the A B (Abstract) uties and previleyes to the Limenian Malion, by J. Mivalle, Erd, Corenant of Alz, fourth Caleph of Bugilad, granitug certain in--prot ofour papers were read-

he payment of new and evorbitant taxes, irredom from u-urpeligion, protection train oppiession and persecution, examplion These are a free and undisturbed exercise of the Chrisquemi nana lerng in his dominious and protessing allegance to his as pa this covenant ection imministies and privileges on the Caliph 'Ali, who was the cousin and son-in-lan of the prophet, and of 'Ali, the Lion of God, son ot Abri Talib the existed

R chuiches and monasteries minadans in their social intercomes, and irecdom from restraint in dety of kindly and triendly technics beencen the Armemans and and alternation of their ancestral and hereditary property, a

norld" has covering, eays 'All is a receded but deep hang to the end

V Ball, Esq., B A Part I The Micobins (Abstract) II -Notes on a Itip to the Nicobar and Andaman Islands, by

settlement of eight days In several appendices, the Geology, Zoology, the people, fauur, flora dee, of the Vicobars, during a stay at the new The paper consists in journal form of the author's observations on

and Language, are treated more fully

puatical tendencies of the inhabitants, the author writes regarding the been taken over by Government, the previous settlements, and the Having described the encounstances under which the islands have

choice of the position of the nerv settlement—

characterized as most unfortunate." object in view de the formation of a self-supporting colony, it must be of Trinknt and Nancowiey, none could have been better. But if the tor the purpose of putting a cheek upon the misdoings of the prates it this selection has been made from strategical considerations, or

of jungle in certain places is explained in the geological Appendix. Тре осситсисе ne only able to support dry unmutitious grasses areas which, under the most favorable conditions of a tropical climate, portion of it ior cultivation, are at once made apparent by the large The poor character of the soil and the unsuitability of the greater

Movnia', condemn the selection of this place by the Danes and others as Both Dr Rink and Dr Karl Scherzer, author of the 'Voyage of the

better, as is testified by the jungle which stretches uninterruptedly resemples that of the Andamans, and the soul is consequently unuch In the southern islands of the group, the geological formation a site for colonization,

from hill top to high water mails

They are broad-shouldered, stontly built men. the tongue. there appear to be horny lumps formed on the guins and underneath more or less black from the same cause, and in the mouths or some, ing in an irregular manner almost like tusks. The tongue, too, is their teeth are intensely black, those of the lower jaw often protrudthe people de writes—" Owng to the universal dadit of pawn-edewring, in the houses, but usually they were kept out of sight. Regarding the men. In one or two eases, there were some women and children The author visited several of the native villages and saw many of

the Missionaries they seem unable to think of the aborthus of the aborthus and engline principle of their rehigion as of this of the aborthus. The principle of their rehigions as of this of the aborthus onely mundered

Octain of them called Minlovens perform the chitics of pric 14, physicians and vizards. Their whole energy is concentrated on the exoreising of evil spirits. Their office is not a sincente, as it is sind that it a Minloven is unsuccessful in his case, and several prefects due value in the people agree to bill him, and be is treacher-while under treatment, the people agree to bill him, and be is treacher-

any particular influence in consequence of their age

gathered from the various published works on the Micobais. There are no chiefs, the old men are respected but do not exercise

The paper includes some general remarks on the people, chicky

The Klings said that but ior the settlement they would not dire thus to come on shore, formerly, so in mong going on shore, they were obliged to observe the precaution of preventing more than one cance coming alongside their vessels lest the matives should swarm up the

educe Ching traders bartering with the natives for cocomute

doubtful A visit to the Island of Trinkat is described where the party met

The author could hear nothing definite from the natives on the subject, ductions that the inet, it is be one, earned now long remain

Amonget the birds collected by the anthon, the most interesting nast the most the birds collected by the anthon, the most inclusively of which three specimens and two eggs were procured. An account of its liabits and its measurements taken in the flesh are given in the Appendix on birds. Among the other birds obtained, several are peculiar to the Nicobarrand some bave inthicite deen found only in the Andamars and Sicobarrand some bave in the existence of wild buttaloes on Komont 1 is alluded to The mathen could be existence of wild buttaloes on Komont 1 is alluded to The mathematical three anthon could be considered.

In manner, they are absent and generally unemotional They are excessively indolent, and since then daily wants are readily supplied, they spend the greater part of their time in sloth, doing nothing. As to then origin, there can be no doubt that they are M lay, possibly modified by a Burmese element, but they possess the chiracteristics both of face and manner which distinguish the former people.

Two traditions as to their origin according to Barbe, are current

amongst them, these are quoted in the paper The author concludes his paper thus —

"The recent opening of a direct line of communication with Komorta, has rendered a visit to the Micohais a matter of no great difficulty or inconvenience; but in July when I went, the journey there and back involved ax distinct transhipments. To any one for whom the subjects touched upon in the preceding pages possess an interest I can, with a lively recollection of the pleasme which I myself derived, waimly with a lively recollection of the pleasme which I myself derived, waimly

commend a trip to the Vicobars."

The Appendices treat of certain subjects more fully than was possi-

Appendix A Geology

The rocks of Koniotts, Nancowiey, and Trinkint are magnesian claystones with occasional beds of conglomerates; igneous rocks too are present.

The Coal which has been found in the southern Islands, is evidently of similar character to that found in the Andamans which occurs there

in nests and strings nevet forming a regular bed. Traces of copper have been observed in the Gabbro rocks of Nan-

courtey.

Ambei is said to occur, " but I have in vain sought for any authentic

evidence of its having deen found or seen with the natives."

A xibnəqqa

I. Mannials. Very scarce, none were seen or collected by the author 2 Birds 22 species, (out of a total of about 45 which are all that have as yet been found in the Micobais,) were either collected or observed. 3 Reptiles Mone collected Crocodiles though not mentioned in Mi. Blyth's list are known to occur 4. Fish A small collection of fish was made in Mancowrey haven They have been examined and partly identified by Dr. Anderson 5 Mollusca. The Mollusca are described in a note by Mr. G Nevill.

Appendix C.

Language This consists of a selection from various vocabulares of the Urcobar language which have been published from time to time, together with some comments thereon

a ripusader

ence to the Micobais A list of the principal books and pypers hiring reter-Luthorities

by W Turobord, Esq., Jr III -Note on some Agaic Beads from Noith-Western India,

Abyssinia, where that is then eutrent raine brown ones, I may add, are called (as I am told) "3 core-beads" in which the brown only ones are best known and most talued which they apply to all autique looking beads or agate or only, or then origin, deyond what is nuppled by the vague term Sulumanc, The natives themselves do not seem to know nucli of would occur of other beads as a neeklace, one or two or perhaps more or than wearing beads of agate, glass, or other substances, and among a siricity from mendicants and others who, in Hindustan, are in the habit or bing defore the notice of the Society. I procuied them by purchase or knew anything of their distory, I deem them sufficiently curious to sington, and that no one to whom I showed them, had seen similar ones rich stores of the British Aluseum or among the collections at South Keuring a late visit home, that no similar specimens exist, either in the Finding, honerer, duliave lain by unnoticed till a sliort time since VI) were obtained by ine many years ago in the Benares district, and The beads which are represented in the accomping plate (Phase

place Many varieties will doubtless turn up when a teention live lead removed or where abrasion of the surface through wear has tiken examining some part of the impressed pittern, where a chip has been This is not obvious on all, but may be seen by cloady eg that a considerable amount or near and abinishment a contract Indoiously and often artistically smik into the smirice of the stance, whatever the material of the pigment may de, the pittern n is usel its base, but an examination of these autique beid stones shous, this reduited design on the surface with some pigment, britis lithis de co. Saiming d dollare, a recent inninition is still made by political to which adheres most intimately to the stone . In Multan or its wighbut really engraved and subsequently filled in with some piguient dy deing ornamented by a pattern seemingly traced on the surface, from any of the ordinary 'Sulminini, and are recognized of the ordinary The beads I am now describing are, honever, of quite a distinct type

directed to these actieles, but the folloning are all that have occurred

to me.

coarsely manufactured

No 1. Is a beautiful little cornelian bugle, displaying great care ind finish in its execution, as do also Nos S. and S. though not so

and finish in its execution, as do also Nos 2, and 3, though not so fully.

Nos 5, 6, 7. Are all bugles or beads of the same type of different

Nos 5, 6, 7. Are all bugles or beads of the same type of different sizes. Nos 1 2 3 5 and 6 are of red cornelian No 7, is of black

sizes. Nos I 2 3 5 and 6 are of red coincilian No 7, is of blace onyx, with n lifte lines

No 4, No. 8, No. 9, and No 10, are all fusiorm beads, varying in their proportion, but with the same general pattern, namely a zigzag has in the centre of the bead the angles of which are connected with straight lines at the end of the bead, these lines forming a double series of clongated pentagons No 10 1, in red cornelian, No 9 in giey agate, of clongated pentagons No 10 1, in red cornelian, No 9 in giey agate, No 4 in dark agate, while No 8, is only an imitation glass bead,

No 11 Is a spherical bend of dark agate with strong well marked lines, exhibiting the same general pattern, forming a double row of five pentagons. There are two others of exactly the same form, but

of five pentagons There are two others of exactly the same form, but which are of unferior execution, all in dark agate.

Wo 19. Is a round bead of vale red agate, the pattern is produced by

No 12. Is a cound bead of pale red agate, the pattern is produced by two enteles, encompassing the hole pieceed in the bead, these enteles are noted by three equidistant right lines forming three septa, in the

centre of each of which septa, a rudely marked encle is placed Mo. 13. Is a spherical bead of dark agate, with flattened ends, simply

marked by two strong white eneles No. 14. Is an unitation dark glass bead, marked with a very

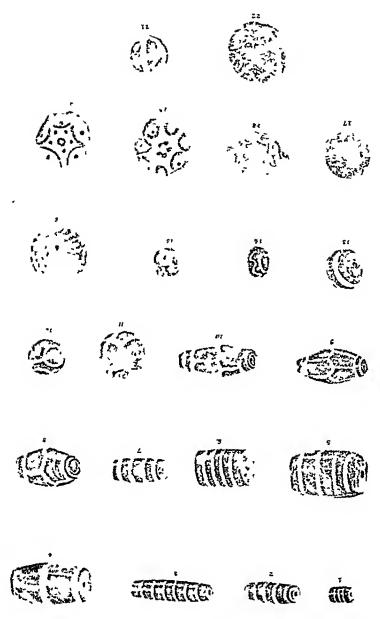
noughly and catelessly marked rigzag line in white.
No 15. Is a bead of similar form, common white earthenware, with

a very megulanly manked pattern in blue lines
Nos. 16 and 17 A spheneal bead, of agate, ornamented with six

Mos. 16 and 17 A spheriear bead, or agare, ornamented vith six excented circles of dots. There are four specimens, all rather roughly excented

Nos 18, 19, 20, & 21 Shew different forms of the same general design These are all flat with radely parallel sides. The patterns show an arrangement of crieles or semicircles and dots, varying in some degree, in some quinary, in other shewing seven segments

No 21. Is a hemrapherical bead of red agate, the raised side is onnamented by a encle of white enamel, the cneumierence of which is





chus iormed, there are two long dots councesed across the centre by a strong line, and in either seniencle

in form and pattern to No II (not Ganed), meall mint itions torned in the number here figured, No. 11, and No. 3, two others and 10

daile glass with white opaque glass mailings —

The others are all or tine agree

I trust some member of the Society π ill be able tothion alittlelight

suspect it was similal to those here described -in the Octaenmand Museum, where it was deposited, and I greatly to have been lost or misland, as I tailed to discover my trices or n 16ehs" 10 the Ailghnis, " an engiared be भी" 5 13 i ecorded, 11 bich = ems here merely add that among the articles found in one or the "Croin on the origin or these beads, which I presume us Butran," and I will

Mr. Biochmann in continuance of his observations on Myor Stulib.

com of Jahángu (p. 248), laid the tollowing note on the table

which, upon closer examination, are found to be at latinuce with does not appear to have observed this, and has proposed reading-This is of great assistance in reading them, but Mindle successors, there are some, the meniptions of which have metre and every com is menical, and thire also among the come of Julingars to 637), I found, to my astomishment, that the in-cription of nearly In turning over Marsden's description or Judángur's coins (pp. 191,)

I shall now examine a few of Meladel's readings from a samme won that I કરૂા હું કામ

Marsden, p 607 Marsden readspoint of view

But we have to read Lynd shabil, for his shible, because the merephism قصا برسكة دركود تصوير شدة حصوب شاة حهادكير

-- O righted -- - O shahe bist .-- U and o didid-tuchom s wall out at oater a et

shan and the countries round about the Tailet S lands meaning Sit as * The word Sulandal occurs frequently in the names of places it Bil Mi-

persons el uning nuraculous pon ere as the gre it wirted of the East He is misoked as the great to be to be The same were the same to said to said the said Enfeitat bi U iltra oun u outout t och et simm

corresponding to Mr Theobald's pritting to Princepolding to Mr Decobald's pritting It may be of interest to remark here that Propagn in his "fal" in Asians in A in "beat of the ord I, ph 82 to 25) has given, or the office it is the ord ships and chief in the ord while of a Subminimar beat "black and while ord ships of a Subminimar of the ord while ord while ord ships and while ord in the order of the order of

The reading of Area II (p 607), as given in Marsden, is correct,

.metie is the Mutagárid i sálim.

especially as shibh, in the sense of shabih, is raise . The above meetip-Hence also on p. 605, we may write shabih for Marsden's shibh,

metre proves that harrat takes the Izasat tion is also interesting from a grammatical point of view, decense tho

Maisden sees neither metie, noi ihyme, and reads Marsden, p. 619 One of Jahángir's zodiacal coins (cancer).

داء در را زيور جهادكيو شالا اكبرشهنشالا احهدالاد ١٦٠١

But from his plates, it is clear that we should read

This is fully explained by the metie, for the words Abbar Shah, rex reguin, given to the Emperor's father, had not before occurred." U --- da zevan U --- de Marsden adds," The title of shahinsheh which is a Althogás do verse, zás é ah v — o mádéba v — o dás ádl ر احمد آباد راد ربور جهاركيوشالا شهرشالا اكدر

is the metie Klafif, with two long sylladies in the last toot, vis 3 Marsden, pp 622, 624, 625, 633 All these mscriptions are tdey are a molossus — — -

which occur on other coins, will not suit the metre Mutagaid, because

Shah, &c Az Jahángir, hovever, does not mean ex mandato J, dub ornitatis) Agiah dat auro decorem ex (mandato) Jahangir

4. Marsden, p 634. His reading is correct; the metre is Hazaj nomine I, by means of J's name

5 Marsden, p 635. A coin with Uúr Inhán's name on it. --- 0 '--- 0 '--- 0 inspall i

Marsden and Thomas (Useiul Tables, p. 49) read the first line-

لتكم جهالكير شالا يافت صد ويور

Stubbs' coin, and we have to put the word ste before self, and read But the inscription is a verse in the metre Multass, as on Major

By order of Shah Jahangir, (this) gold coin has received an hun-ككمشاهمالكير يافتعديور رامهور جهان للمادية ييكم زو

SECRETARY ham's paper in the Proceedings of the Society for September 1869) antiquity A similar bead was found in a Cromlech at Coorg centuries of the Christian Era (p. 84), the bead would appear to enjoy a high Behat, near Sahai unpur As Prinsep shews that the coms refer to the first Capt. Cautley together with several Hindu coins, &c, in the ancient ruins of

who only has the title of Nawab, bence no should translate migrature, a begum who is a padishah not for example, a Nawab Begun, a legum padishah begum, according to a tale observed in all Arian language, is pulishich begum by unpendiones consors, the Emperor's Begum,, but Jahán, the Queen Begum" Mersden, folloning Wilhus, trur-lates died oinsments through (i e, by haring on it) the unue of Xir

Marsdon, p 645, l I A com of Shah Julian Marsdon reads. unbəy uəənd

graphy, for there is no form fill which means nomina The second hemistich has neither sense, not metie, nor oitho-سكد شابرسهاناد داير درجهان صاودان ناد اسام ثابي ملحبة دان

ماون باد ملم ناعمي ماحب قران plate shews that we have to read the second beaustich

sit diffusa per mundim, nomine auqueto domini coupentrictionis, Stali-mungame geftenes are some scennik domine confination and ins translation, (super) monetam (urbis) Shahyahuradaal pro

Masden, p 648 A silver com of Auranged For Mas-The metre of the inscription is Rumal Jahán's tiele deing Galid gir du, or Dominus confinicitonis

سکه در شهان ده چو ددر صدير

we have to either to read with Thomas (U T, p 16), or put the

fourth word second,

den's first lino

سکه رد در حهان چو ددر مدير

So also in Marsden, p 652, l 7 front below which is a hemistich in the Angles metro

(a quarter rapee) is imperiect. The metre helps us to conjecture which Minsten, p 651. Mareden enys that the begend or the com

شاء اورنگ ریس عالمگیر سکه رد در حهان چو ددر مدیر the reading united be-

-Which is, as nearl, a veise in Khafif.

Marsden, p 655, a gold com of Muhrmmad A's ran Shah Struck come in the north differ our definition and in amon Struck Shih Aurangzeb Thungir

-shart noherall معالق اعطم شالا

822

.ToO] Proceedings of the Asiatic Society.

daulat, hence, assisted by the metre we conjecture that the correct thymes with jill. But for Marsden's daulat, his plate has clearly da The last four words are a hemistich in Allagis, and shah evidently

zi Zaibeor

الأدراجان المرات وجاء بالمثالة علي على المثالة على المثالة على المثالة على المثالة على المثالة المثال

". Lingup bur

correct reading is-669 ,869 qq ,nəbəralı 01 Two coms of Jahanda Shah The

II. Marsden, p 660 It is impossible from Marsden's place to fix -a verse in common Mutagaid Vide Thomas, Useful Tables, p 47. در أفاق رد سكةبر مهر و مالا الوالعتم غازي عهاددار شالا

(Patna), not will refer 'Azimushshum, the name of Farinkh Siyai's But it looks as if the coin contained the nond old fight as also bindind If the inscription is a verse, see and invertiby we with the the correct reading, though there is no doubt that his reading is wrong

-(74 q , səldr Tables, p 47) Massden, p 661 A silver com of Fariukli Siyar plaisden father.

-0 — -0 — 0But as the inscription is a verse in short Ramal, (-0. الإفصل حق سكه دد در سيم ددر درخ سير پادشاه نصرو در

سكه زد ارفصل حق در سيم وزر بارشاة الحدو در درخ سير

scriptions enumerated in U. T pp 48, 49, as remarked by Mr Thomas pably wrong; and his consect reading on p 675 Similaily four inlias omitted to give a facsimile of this coin, but his ieading is pal-Marsden, p 672 A gold com of Alangui II rigungia is a gold com of Alansden

It looks as if Akbai's coins are the first Indian come that contain ιπ της ιοοεποέε

even veises put upon his rupees, and his comage is thus distinguished of his teign contain no metrical teadings Jahángir, as we saw, had which are given on p 28 of my Kin translation, but the carrent coms Akbai ordered Sharkh Fazi, his court poet, to compose the quatranis nith veises on them for his large gold come, or rather medals, metical inscriptions I have not seen come of Babar and Humáyún

He reads-

first hemistich in Maisdon has the metie mega'lun (3 times), Ja'ulun. 14 Maradon, p 489 A silver com of Shih Abbás II(1) readings, however, are nearly all wrong A few examples will suffice for as I can judge from Marsden's plates, metrieal inscriptions SHI

رترويق حدا كلب علي علي ريام تابي ركيتي ألكه اكدون سكة رد صلحب قرابي

Marsden's facermile does not clearly show the nords does

The metic of the first Hemistich, though not displeasing to the ear,

wilding to mile send with the send well and is the colory a phrase below meete, not sense, not grammar it looks as it Musdeu's plate had hence Anisden's first line eannot be correct. His second line has neither ession, and is not to be found in any treatise on Prosody,

" By the grace of God, 'All's (unworthy) dog, 'Abbas the prous ر ترويق خدا كل علي عبلس رااي كيتني أدكه اكدول سكة صاحب قرأي رد (No 17), I propose to read Marsden's faceunile-

Mazas s salim, four times V ---), but we sacisfied the rhyme, morid. Thus we have at least grammar and metre (the dignified as the man who at present stamps the come of Lordship in the

If addant should turn out to be the correct reading, the com would and use the word sabbins in a peculiai sense

IS Marsden, p 468 The first bemistich has no metie; the belong to Shih 'Abbis I, not Abbis II

read chief maddul mashi effern, the Lord of East and West, nlinch Alaredon, p 465 For Marsden's wall with all mishining, nobling diagrams. gocond is in Ramal

II. Mansden, p 469 A silver com of Shah Tahmasp II must rhyme with offer Husain

ليتي سكة صلص قرادي رد ار ترویق حق عهاسپ نادي For Marsden reading, substitute

-a short Earal (Masnawl) metre Translate

Struck the com of Lordship in the world " "Tahinasp II, by the grace of God,

Alter selen, p 172 For with read yearsh, which Masden's mon idede na et ind agdidid?

Maisdon, pp 478 and 480 Both inscriptions are correct, the plate clearly slieves The metre is Rumal

former is in short Ramal, the latter is Khalif.

The first line in 20. Marsden, p 481. A gold coin of Isma'il

Marsden has the metre Mussull, a makfuf a mapping

wrong, for it has no metre is second line second line is

describing the come of the Moghul Dynasty of India and the Calawis it is, even for numismaticians, to take care of the Ars poetica, when and unexpected, but my preceding remarks will shew how necessary rigid iules of Persian Prosody to inscriptions on coins, may be novel to prove or disprove the correctness of my emendations jectuies, in others, as in No 15, better specimens of coms are required In several of the above examples, Marsden's plates confirm my con-

The Meeting then bloke up. of Persia "

LIBRARY

last meeting. The following additions have been made to the Library since the

Pi esentations *** Names of Donors in Capitals

ROYAL GEOGRAPHICAL SOCIETY OF LONDON The Journal of the Royal Geographical Society, Vol 38.-The

Bulletin de la Société de Géographie, Juin et Juillet, 1868 THE

Journal of the Geological Society of Lieland, Vol II, part I-The GEOGRAPHICAL SOCIETY OF PARIS

Thomason Civil Engineering College, Rooikee, Amnual Evamination, ROYAL GEOLOGICAL SOCIETY, DUBLIN,

Quarterly Journal of the Geological Society, Vol XXV parts I and 1869. - Тип Рагистель, Тиомаком Сольест

2 -THE GEOLOGICAL SOCIETY OF LOYDON

XXIII Heit I and II -Tue EDITOR. Zeitschrift der Deutschen Morgenlandischen Gesellschaft, Band

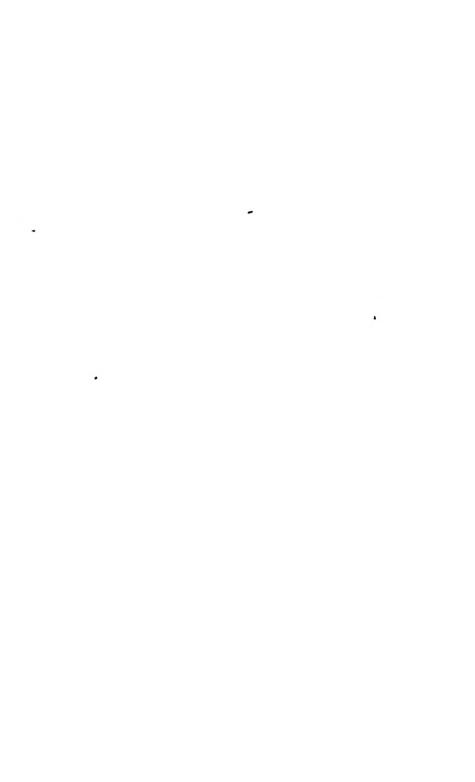
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Proceedings of the Royal Society, No 113 -The Royal Society of Journal Asiatique, No 50, 1869 —The Asiatic Society of Paris THE ZOOLOGICAL SOCIETY OF LODGON

Mas'údi, les Prairres d'Ore, texte Arabe et traduction, par O B de LOSDOX.

Bildingen tot de Taal-land-en Volken Kunde van Nederlandschi топе У.-Тив Ачтиов





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ре Таль-гальем Volкем Колов уль Меревального Імрів

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On Some Elementary Principles in Ammal Mechanics, by the Kev OR ZOOLOGY AND BOTANY, VIENNA

S Haughton, M D -The Author

On the Origin of a Cyclone by H F Blanford, F & S -The

by J Buigess -The Author Notes on a visit to Somnath, Girnar, and other places in Kathiawar

-Tue Editor Ramayana, Vol I., No 8 Edited by Hema Chandra Bhattacharya.

GOVERNMENT OF LUDIA The Flora Sylvetica, part I, by Major R H Beddome -The

Annual Report of the Insane Asylums in Bengal ioi 1868 -Tun Beddome -The same Icones Plantarum India Orientalis, part III, by Major R H

Die Vegetations Verhaltnisse von Croatien, von Dr A Neilreich -GOVERNMENT OF BENGAL

Purchase nontua ant

V bash, von Dr A Bashan, Band V Reisen im Indischen Archipel, Singapoie, Batavia, Manilla, und

Sanscrit Prosody, by C P Brown

Revue des Deux Mondes, let Anguet, 1869

Revue Archeologique, Juillet, 1869

The Ibis, for July, 1869.

The L E and Dubin Philosophical Magazine, No 253, 1869 The Annals and Magazine of Matural History, No XX 1869

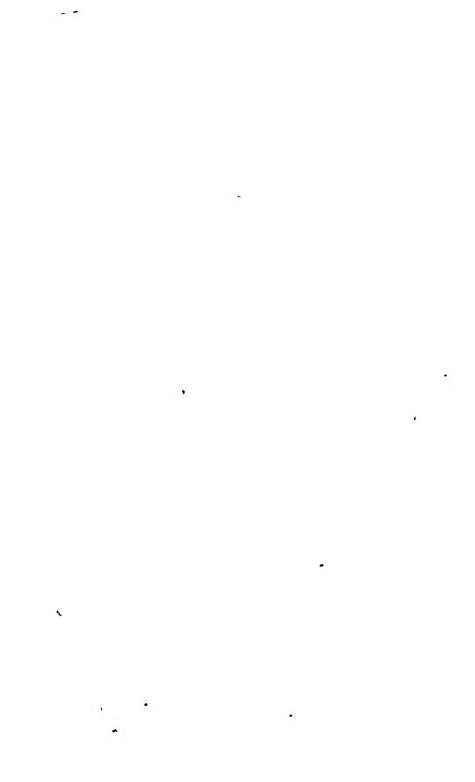
Grimm's Deutsches Worterbuch, 4th Vol, 2nd Fasc

Transactions of the Zoological Society of London, Vol VI, Part 8

Comptes Rendus, Nos 1-4, 1869 Journal des Savans, Jullet, 1869

əbunyəxy

The Athenaum, July, 1869



PROCEEDINGS

OR THE

ASIATIC SOCIETY OF BENGAL

von December, 1869

The monthly meeting of the Society was lield on Wednesday the Ise

E C Bayley, Esq , O S , in the chair

The minutes of the last meeting* were read and confirmed

The following presentations were announced—

- I From Babu Udayachánda Datta, Civil Surgeon, Minibhinia. a. copy of a grammar of the Sanscrit Language, by O Willing, Li. D.
- copy of a grammar of the Sanscrit Language, by C Willing, LL D, B R S, 2nd edition, London, 1808

 2 From Professor S T Auliecht,—a copy of a Catalogue of Sans-
- kert AISS in the Libiary of the Cambindge University
- 3 From J E Bruce, Esq ,—three specimens of Eurinoi dynchus pygmæus, Lum, the small Spoon-bill, (in spuit), from Chittagoug
- 4 From Dr Alohendralda Sanakána,—a copy of Galcutta Jonnaul
- of Medicine, for November, 1869

 5 From Baben Rasendialsin Mitin,—seven umps of the Districts of
- Bengal, and two of Asia and Europe in Bengali 6 From Babu Kisomedianda Mitin,—a copy of the "Life of Mutty-Iall Seal"
- The following gentlemen duly proposed and seconded at the last

R A Barker, Esq. M D,

Lieut W J A Wallace

* For Oolober, -no meeting having been held in November, is there n is

The following are candidates for ballot at the next meeting,-

by Dr J. Anderson, seconded by D1 J. Ewalt. Allan C. Hume, Esq., Commissioner of Customs, Agra, -proposed

Vood Mason, Esq ,-proposed by Dr T Oldham, seconded by

Dr. E. Stoliczka

Abbotsbad,—proposed by A. Cadell, Esq., seconded by Lient, J C. Captain Alexander G. Ross, Staff Officer, Panjad Frontier Force;

The following gentlemen ligve intimated their desire to withdraw Ross, R. E.

from the Society-

those gentlemen's own request Chisholm, Esq., and of R H Renny, Esq., have been cancelled at D., C R Francis and D. R Onslow, E.q., -the elections of W.

a Maulavi, to check the Catalogue of Alabic and Peisian MSS, The Council reported that they have sanctioned the appointment of

A letter from the Government of India forwarding-Copy of the Sanscrit AISS, for some time, at the same monthly salary. for three months, at 30 Rs per month, also that of a Pandut for the

Foulkes of Sasanas—was laid on the table Madins Government Resolution on the translation by the Rev T.

Peal, Esq [from a letter, dated Sapakatte, Sibsagur, September 21st, I. Note on an Extraordinary Flood in Upper Assan, by S E. The following communications were brought before the meeting-

We have lately had most extraordinary Hoods in some parts of Upper [698]

neighbouring Dikho was all but dry Assam, especially in the basin of the Desang, and at a time that the

had some 2 med of nundation mud on the top, —even the highest 'land to be seen from the river that had not been under water and fallen a little; and I noted that in the entire distance there was no miles down It was two or three days after the highest flood had og ot &b abalt, chat, about at "Borbootwah Allee" Chat, about 45 to 50 on the Towkak, and I went down stream into the Desarg, landing in On the 17th Angust, I started in a "Rob Roy" cance from Sonarie

When passing through Bokota Mouza the river seemed above the Diecea

Potar level, and in one place I found it was pouring over the bank with a fall of about a foot into nee land, all the rice in the Potar had been killed by the water flooding it some days before, and remaining it in give

On passing up the Deroi iivei, a tributary to the north sade, I found the flood on that side quite as bad, and up to the Deroi factory, indeed, I only once eaught sight of land at all, I subsequently went from Deioi factory up to the Sooloogoorie Alee Chat by cance with my brother, and we passed only three places out of water the whole my brother, and we passed only three places out of water the whole

way We looked for a place to land and liave some breakfast, but could not even see a patch of mud, let alone land, and liad to get into the

Dianelies of a largo tree at last

I may say also that use for Deioi factory was being taken in large

Doaks from Desang across country to Deroi, some miles

The peculiarity of the ease is, that these doods occurred in the Deeple in Sibergui it seemed meredible Many Tea gaidens will, however,

suffer soverely, I expect, as well as the 1yots
We have had it very het now and theu, which may account to some extent for the floods
On July 20th, a nictal mounted theirmonieter

extent for the floods On July 20th, a nietal mounted theimometer placed in the sun and scieened, registered at 1 20 p w 174° Eah, the lighest I have ever seen, but the great heat was only for some three days, and in-doors not excessive —94° at 1 p w

S 1 kg managed a square and a square square for

A new species of Pycnonctus, by D. J. Anderson, F L S, and F Z S, Chiator of the Indian Museum, Calcutta.

Prokonotus kanthorhhous, n equone ocului i nigi is, plumis aniiculai. Lupia bi unineus, pileo et i equone ocului i nigi is, plumis aniiculai. Lecli icibus pullide bi unineis, alis bi unineis, cauda iugi o-bi uniculai pecti icibus pulli e i abdomine ilei ibus pullide, pectoi e et abdomine ilei ibus bi unieis; et abdomine ilei ibus bi unieis.

ci 1850 four, 1986 o tyro, nige 8 65, candæ 8 60, 198611 a 11cta, 77, a frouti

55, tars 700 Finan, ad alt enea I 700 pedes aug

Had Manyyne, Ynnan, ad alk enea I 700 pedes rugl

colouring, but differs from it in having a crest and its ear-coverts being pale brown. It has the square tail and the well developed rictal biristles

of a Pycnonotus

Held in certain lights, the under surface of the tail shews indistinct

dark brown bars

I observed this species only at Mannyne, at the foot of the Sanda

Valley on the eastern side of the Kakhyen hills which separate Upper Purma from the Shan States, to the east of Bhamó.

B A vocadulary on the Cashmere language, by W J Elizerie, M D

A Translations from Chand, by H S Growse, Esq. M.A.,

BOS Both papers, the President stated, contain purely philologrand details, they will shortly be published in the forthcoming number of

the Journal

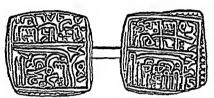
5 Note on a Maluah Goldmuhur, by H Brochnazz, Esq., M A'ne gold coin which I now exhibit was given to me by Dr Hunter.

I am not aware that the coin has been described It is a square I am not aware that the coin has been described Hydele.

(chahárqoshah) muhun, and its weight, as determined by Col Hyde,

.arg 84 601 ai

997



The inscription I read as follows—

As ea I (left in the figure, the inscription commences in the upper

اوانة المامل اوانق المنتجي الو العنع عياث شاة—(ramto band tiel بن محمود شاة الحلجي السلطان حلد الله هلك] —II. معامله

The Lind who trusts (in God) and has recourse (to Him.) Abul Fath

Ghids Shuh, Son of Achmid Shah Khilji, the Sultan,—May God perpetuate his reign A II, 898 [A D 1492-93]

Mailwah was undependent ion 133 years, from A H 804 to 937, when it was annexed to Gulist The line of the kings of Malwah is as follows—

- Diligran of Ghor, 804 to 808 'I
- Hoshang, son of Diláwar, 808 to 838 (Zi Qi'dab) 7
- Muhammad Slifth, son of Hoshang,* 888 to 839 (Shawail) 8
- netting to rimek and utilit a singula differ a not bindala Þ
- ç Hoshang), 839 tof 878 (Zi Qa'dah)
- 9 Chickenddin, his son, 873† to 906 (9th Ramazan)
- Nagnuddin 'Abdul Qadu, t bis son, 906 to 916 (2nd Çalaı)
- Ledinaud ins son, 916 to 937 (15th Sha'ban) L
- a Kuldangah muhui, for among the Bahmany also there is a king did not confam the year, and the word Khills, one might take it for If the coin The goldmuhat therefore belongs to the fith king

instituth as the legends of the two areas, though not metrical, have come and the prose inscriptions on the come of earlier centurus, century, stands intermediate between the metrical legends on modern Malwali goldinuliut, which belongs to the very end of the ninth The meetiption on this the end of the tenth century of the Higgsh known to me, has not been observed on Muhanmadan come stinck before were for the most part metireal, a cuennistance which, as tar as is on the come of the Moghuls and those of the later Galawis of Persia diew the attention of the members to the enrious fact that the legends the last meeting whilst exhibiting a Rupee struck by Jahangir, I The inscription on the com presents an interesting teature Chicanddin, son of Mahmud, who tergned tor about two mouths

the Journal tor the next year tion on the same, which will be published in the tist number of planatory notes relating to the discovery or the plate and the inscripecedings tot Alay (p. 143) of the cuttent year, — and gave several exexhibited the copper-plate-an account of n hich was given in the Pio-Before the meeting bioke up, the President Mr B O Bayley,

a thyme (almultale and Khilis).

last name is the real name, bence this king should be called 'Abdul Qalin I Elphinstone calls him Musiruddin, When hings have several names, the years, as given above, are taken from the Lucknow Edition of Irrahith, and agree with a historical MS in my possession, enabled Tabaque us galatin † Elphinstone, 867? I do not know what sources Elphinstono used * In Elphinstono's Hist of India, (Tifth Edition, p 768), 835?

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last meeting. The following additions have been made to the Labrary since the

* Xames of Donors in Capitals,

Pi esentations.

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3, 4-The Royal Geographical Socuety of Losdon Proceedings of the Royal Geographical Society, Vol XIII, Nos.

Pand Mannh-i Adarrad Meraspand -- Tue Society for Marine Re-I, Part IV, New Series -The Agric. Horric Society of Lydia. Journal of the Agricultural and Hortzenltural Society of India, Vol

and Introductory brief History of Bengali Poetry, Part I, by Babu The bres of the Bengali Poets with selections from their works The Calcutta Journal of Medicine, Vol II, No 7 -The Epiton. SEARCHES INTO THE NOROASTRIAN RELIGION.

The Balaramayana, a drama by Rajasekhara, edited by Pandit Harrmohana Mukerjea -- The Authon .

Govindadeva Sastii - Tue Editor.

A Grammar of the Sanskrit Lauguage, by O Wilkins, LL D. The History of India, Vol II, by Sir H. Elliott -- Lidy Elliott.

The Ramayans, Vot I, No 9, -by Heina Chandia Bhattachail a F R S -Ba'su Udaxacha'ada B A T.A.

by Protessor S T Aninecht -The Author Catalogue of Sanskrit MSS. in the Cambridge University Libiniy, ROTIGH BUT-

The Life of Mutty-Iall Seal, by Kiesory Chand Mitin -Tine

August 18th, 1868, as observed at Alasulipatam.—The Government Observatory in connexion with the total Relipse of the Sun on Report of the Government Astronomer on the Proceedings of the Shamsher Textar, by Aga Ahmad 'Ali -Tur Avruor

The Madura Country, a Manual composed by order of the Madura OF LADIA, HOME DEPARTMENT

Government, by J H Melson, M A THE GOVERNMENT OI LIMI,

Hone Derrituent

Report of the Cotton Department for the year 1867-68 -Thur Joyenners of Lyala, Hous Department

Соуванделя ов Ілдів, Номе Вератлігуя Тів Аппава of Indian Administration, Vol XII, Parts I—4,

Vol XIII, Parts I—4 — The Government of Belgal.

Annual Report of the Administration of the Province of Ondh, for

the year 1868-69 —The same Report on the Administration of the Hyderabad assigned Districts

erons and—60-8081 for the property of the results and the property of the prop

Report on the Administration of Coorg, for the Jeni 1868-69-

Report on the Administration of the Central Provinces, for the year

1868-69, by J H Mories, Req., B C S.—The Bombay Presidency, General Report on the Administration of the Bombay Presidency,

for the year 1867-68 —The same

Report on the Administration of Mysore, for the year 1868-69 --

The same Report on Public Instruction in Mysore, for the year 1868-69—

The earn:
Report on the Progress of Education in the Province of Oudly,

1869 — The same Winds of Bombay by C Chamber, Esq , F R S —

The Government of Bounds of the Bombay Government, with a

map, No II4, New Senies —The same

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Superintendent Groundical Survey of Lydia

Puschase

Izalut ul Khik'san Khristiat ul Khulati, by Sháli Waliullah Qazwini's Kosmographie, Vol L, von Dr H Ethé Magondi, les Pranies D'or, par C Bardier de Meynard Reisen im Indischen Archipel, von Dr A Bastian Etymologische Poischungen Indo-Germanischer Sprachen, von Dr Etymologische Poischungen Indo-Germanischer Sprachen, von Dr

The Blagavad-Gree, udersetzt und erlaufert, von De Feliciner

Rig-Veda Sandita, Vol I, by Max Muller. Revue Archeologique, No 8, August 1869. Revue et Magasin de Zoologie, No. 7, August 1869. Comptes Rendus, Tom LXIX, Nos. 5, 6, 1869

CES.	VEPENDI	
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APPENDIX A.

[* Short communications and abstracts of papers, chiefly printed in full in the Proceedings, are not included in this list, but referred to List of papers' submitted to the Society duing the year 1869, with dates when they were received, and how they were disposed of.

m the general Index]

Avdall, J., Esq Ball, V., Esq., B. A Ditto, ditto, Bayley, E. O., Esq., C. S Beames, J., Esq., C. S Blanford, W. T., Esq Ditto ditto,	Authors.	
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VPPENDIX,

TIZL OF MEMBERS

OF THE

ASIATIC SOCIETY OF BENGAL,

ou THE SIST DECEMBER, 1868.

TIST OF ORDIVARY MEMBERS

The * distinguishes Non-Subscribing, and the \dagger Non-Resident Members

N B—Gentlemen who may have changed their residence, since this list Ass drawn up, are requested to give intimation of such a change to the Secretaries, in order that the necessary alterations may be made in the subsequent edition.

Gentlemen who are proceeding to Europe, with the intention of not returning to India, are particularly requested to notify to the Secretar sea, whether it be their desire to continue as members of the Society.

Date of Election.

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Calcutta.	Ball, V., Esq., Geol Survey.	T	'AOAT	998T
Europe	*Baker, Col W. E, Bengal Engineers			
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Calcutta	Avdall, J., Esq.	.9	gebr	1856
Calcutta	Atkinson, W S., Esq., M.A., F L S.	Ŧ	lul	CCOT
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	*Asphar, J. J. T. H., Esq.	• 7		
ədornə	*Asgrur Alı Khan Baháduı, Nawab.	Þ	Sept	
Saran	H D, psa, Q A.W, velaA†		voN	
Hurope .	*Anderson, W, Esq.	·L	Dec.	798T
Pyzabad	Anderson, A , Esq.	1 ₽	Luly	998T
Harope	Artillery	•	•	
	*Anderson, Lieut -Col, W, Bengal	₽ '	.tqs2	ST8I
Calcutta	Anderson, Dr J, E. L S	II	Jan.	998T
Oalcutta	Anderson, D. T. F. L. S.		Mal	T98T
Calcutta	Amir Ali Khan, Munshi	ß		098T
Umritsur	†Amery, O. F., Esq	L.	.guA	198I
Mymensing	†Alexander, N S., Esq., O S.	7	May	
Burope	*Allen, C, Esq., B, C S		July	
bedadallA	TAllen, Lieut -Col A S.	LI		998T
Сріпа	*Alabaster, O, Esq.			698I
Europe				098I
THIT STATE	*Attchison, J. E. T., Esq., M. D.			
Allyghur	† Ahmad Khan, Saied, Bahadur.			098T
Calcutta	Agadeg, J, Esq.		June	998T
argA	†Adam, R M , Esq	6	Sept.	898T
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,	*Abbott, Major-Genl. J, Royal	8	June	478T
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Ohinsurah	1840 July 15 *Buch, Major General Su R. J. H.
Calcutta	1864 Nov 2 Bhudeya Mulcoura Behan
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Europe	Goodeve, E, Esq, M D.	1859 Sept. 7.
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	†Godwin-Ansten, H. H, Capt.,	1861 Feb. 6
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Calcutta	Saunders, J. O'B, Esq.	1 9unc 1981
Hyderabad	†Saunders, Q B, Esq, B Q.	1861 Dec 4.
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Calcutta	Robinson, S. H., Esq	1865 Feb 1
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Shahabad	Henny, R. H., Esq. C. S. Hichaidson, R. J., Esq., C. S.	1897 Dec 7
Chittagong	†Renny, R. H., Esq	1868 July 1
Calcutta	Reinhold, H. Esq.	1868 June 3
Oudh	†Reid, H S , Esq	1860 Mar 7
Chittagong	Hill Tracts	
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Galeutta	Ramánath Takura, Bádn.	1837 Feb. 1
Calcutta	Ramánath Bose, Bádu	1864 Nay 4
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Calcutta	Pirze, A., Esq	1868 May 6
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Burope	Peppe, H t, eqq 941	1865 Sept. 6
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Calcutta	Walters, The Rev M D C.	ริ		898I
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Europe	Will, P. W. Esq., C. S.	9	Nay	
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пориод }	A, Grote, Esq., C, S,	1868 Sept, 2
London	D.T. Thomson, FR S, FLS, FGS	g " 898T
Samuag	Prof Bana Deva Sastri,	9 8981
Pondon	Genl, A, Cannugliam,	1868 Feb. 5
Emobe	Edward Blyth, Esq.	1865 Sept, 6
Beilin	Dr Albiecht Weber,	7 0981
Germany	Di Aloys Sprenger	7 0981
гопиры	Edward Thomas, Esq	4 0081
London	Di, Robert Wight,	1 7 098F
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Surope	The Hon'ble Sir J W. Colvile, Kt	2 ,inle 9681
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London	E B B	1851 Aug, 2
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Paris	Prof Jules Mohl, Memb do l' Instit	1843 Mai 30
London	Right Hon'ble Sir Edward Ryan, Kt	# " 7815 #
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London	Col W, H Sykes, F R S	9 " 1 881
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Eurobe	*Xule, Col H, R E	1856 July 2
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Europe	Wyle, J W Esq., Bombay C S	3 .3uA 238I
Emrope	"Wortley, Major A H P	1829 Mar 2
Gilcutta	Woodrow II, Esq., M A	1851 May 7.
H^{anchee}	t Wood, Dr J J	g Ling 7981

Date of Election.

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l Ohr istiania	Holmboe, Prof.	[·g " 898	31
Paus	Foucanz, M F H.	868 Feb. 5.	3 I
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Berlin	Gosche, Dr. R.	8 ylint 188 5 rslv 288	3I
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Amoy	Swindoe, R., Esq., H M's Consul	I " 098	31
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Batavia	Bleeker, Dr H.	4 Yall Gö	3T
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Ceylon	Meitner, J. Esq.	7 wil 199	3T
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Bussorah	Tailor, J, Esq.	₹ " 908	3 L
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LIST OF ASSOCIATE MEMBERS.

Calcutta	Dall, The Rev. C. H A	3,	May	998T
Calcutta	Long, The Rev J	9	$\mathbf{D}^{\mathbf{e}\mathbf{c}}$	1848
Hooghly	Keramut Alr, Sared.	L	Lep.	1888
Europe	Stephenson, J. Esq	4	Oct	1892

Oudiank Munbers ELECTIONS IN 1868

Регратроте Таћоге			Holstein V M. Smith, Esq
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Calcutta		-	G Robb, Esq
Simla			L H. Lees, E.q., N D
Fyzahad, Oudh			J. Kavanagh, Esq
Baraich, Oudh			Major E Clark
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COERESPONDING MEMBERS

Plot, Dapu Donn	
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•	J E Cooke, Esq
Calentia	J. O. Geodos, Esq. O. S. O. Jaconaliffe, Esq. O. S.
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TOSS OF MEMBERS DURING 1868.

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By death

Saharunpore Patan Hyderabad Galcutta Allahabad Galcutta H D Robertson, Esq Manlvı Maula Bakas, Klan Bahádur The Hon'ble A. A Roberts. The Hon'ble Prasannakumara Thakura, C.S.I C F Thornhill, Esq S Fenn, Esq F Hill, Esq

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[APPEXDIX,]

ABSTRACT STATEMET

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OF THE

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THE YEAR 1868

STATEMENT

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Carried over, Rs 12,726 & 11

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						•	_		Books in London, Ditto by ditto to Babn Rajendralala
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						9	13	683	Ditto by Transfer to the O P. Fund for the White Enpireda,
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			0	8	T	_		m	Received on deposit,
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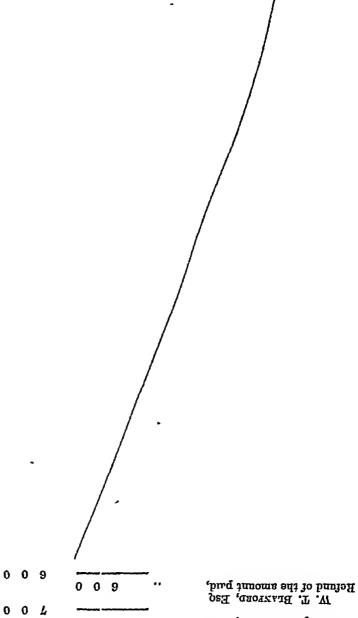
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						9	21	7	Ditto Postage Stamp for sending Ore- cular, Refunded the amount to Babu B
						9	TI	₽	Bore Stierche Fund Paid advertising obarges,
0	ខ	ा	0	6 1	11	ō	13	T	Indian Aluseuu Paid Frenght for sending a parcel of Books to Alessrs Wilhams and Nor- gate, London,
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		L 931	9	•	2'930 1808	Į		ур олст ЕПЕЙ	SINGSIG

RECEILLS

BABU KEDARNATH BANERIEA Brought over, Rs 18,163 15 10

Received from him on account of the Library Books Sale, 0 0 4



Carried over, Rs 18,476 15 10

1991

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	6	ò	0	6	<u>.</u>	0	G Sperventor, Esq. Paid discount for Cashing lus draft,
	0	£	0	0	3	0	D _R G W. Crive Paid Postago Stamps for sending a Copy of Rules of the Asiatic Society,
	0	3	0	0	3	0	Dr J N Flexins. Paid Postage Stamps for sending Chart,
	0	9	0	0	9	0	I. J. Forestra Paid discount for Cashing 2 Bombay Currency Notes,
	0	8	0	0	8	0	R B Suert Esq Paid Postage Stamps for sending Chart,
	0	9	0	0	9	0	Dr G Kine Paid Postage Stamps for sending Extra Copy and Chart,
	0	9	ខ	0	9	z	Meron O H Strutt Paid Postage Stamps for sending Journal,
	0	L	0	0	4	0	W L. Wilsox, Esq. Paid Postage for sending Library Books,
	0	0	9	0	0	9	The How'res & Cameres, for printing charges,
	0	8	ĭ	0	8	ï	Dr F Stoliczka Paid to the Baptist Mission Press, for Printing charges,
	0	0	<i>L</i> T	0	0	9	Bkau Barrynakakaka Mirsa Paid to the Baptisk Mission Press, for printing charges, Do to Messis Williams & Morgate,
. 3 2	0	ľ	ľ	0	I	ī	JANES BEANS, ESQ. Paid Flesgut for sending Books to Monghyr,
	0	10	6	0	8	6	D Waldie, Esq. Pand to the Baptist Alession Press for Printing charges,
	0	0	ĭ	0	0	ī	Paid packing charges,
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Brought over, Rs 18,476 15 10 '298I 1868 RECEIPTS

Carried over, Rs. 18, 176 15 10

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	0	0	9	0	0	9	W T Beavers, Req Paid to the Baptist Mission Press, for printing charges,
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	0	8	រន	0	8	13	Banu Paosono Coouar Tacone Paid Alessrs Williams & Morgate, for distributing packets of Books in London,
	0	- 3	0	0	ε	0	Aol 12, Paid Postage for sending Researches, M Mlacantiffe, Esq
	0	7	τ	0	В	τ	Dr A M Vercuere Paid Postage Stamps for sending Li- brary Books,
	0	9	9	ō	9	9	The Rev. W. G. Course princing torus, for princing charges,
	0	6	[9	0	<u>د</u> 0	8 1	H. Hicharny, Esq. Difto the Baptist Mission Press, for printing charges, Pitto Freight for schding Books to Arthur Charges, Milliams Morgate, London,
_	0			0	0	1 2	The Rey M A Sherring Paid to the Baptist Mission Press, for printing charges,
)	0	4	0	0	8	L,	O Horve, Req Paid to the Baptist Messon Press, for printing charges,
	0	-	-	o	8	g	DR. T ANDERSON. Paid to the Haptist Mission Press, for printing charges,
	0	0	089	0	0	089	Bir Wirtan Jowes' Monuneur Refunded the amount to Messrs Llewelyn and Co, for repairing the Monument,
	C			0	0	8	Mator General A. Culticall. Paid to the Baptist Mission Press, for princing charges,
	(•	0	Ī		Paid discount for Cashing his draft,
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BEGEIFTS, 1868 1867

Brought over, Rs. 18,476 15 10

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Sd. Pratapachundra Ghosha, Asst. Socry. Asratic Society, Bengal.

Exammed,

Rs 22,003 4 3

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Errora and Omissions excepted, Sd. Buddikath Brakck, Cash Keeper, Asiatic Society, Bengal,

Examined and found correct Sd. B D STENSON, Audito.s.

DISBURSEAUNTS 1668 15 11 Brought forward, Its 19,618 15 11

Ossh in hand,

Account current Dr J Bark of Bengal, viz,

Rs 22,003 1 3

Errors and Omissions excepted, Sd. Buddinarth Bisack, Cask Keeper, Asialie Society, Bengal Examined, Sd Pratherhundra Ghosha, Assi Sociy Asutic Society, Bengal,

crefl,

Almin, Octred

Examined and found correct, Sd H D STERIESON 4 duditors

STATEMENT

Abstract of the Gush Account

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						g	-	76 997	Ditto by Sale of White Yagurveda, .
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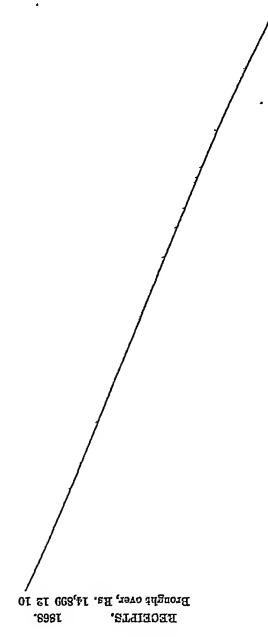
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Examined and found correct,
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Later of Auditors

Auditors

Shewing the Assets and Liabilities of the Asiatic Society of the Olose of 1868. STATEMENT No. 3.

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Asulic Society, Bengal Examined and found correct, Sd R D STIWART, J. Luddors Eliois and Omissions Excepted,

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